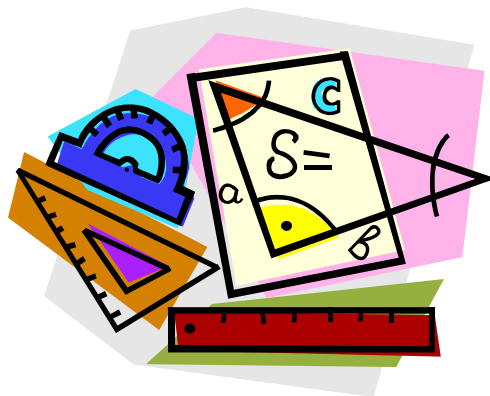
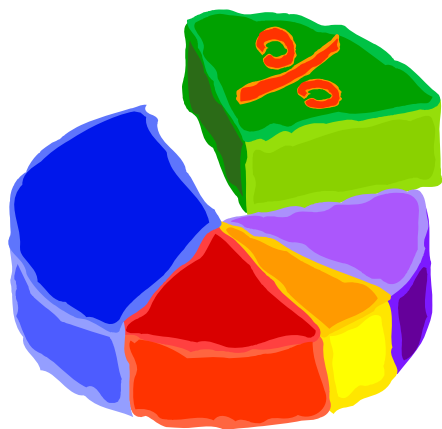


Fourth Grade Math Jeopardy



Math Jeopardy

Number, Number Sense, and Operations

\$1 0 0	Sapphira bought a book for \$2.89 and a pencil for \$0.78. About how much did she spend?	Write 190,456 in expanded form.	Forty-five thousand, sixty eight people visited the county fair last year. Write the amount of people in standard form.
\$1 0 0	What is the product of 8 and 19?	The Millers drove 623 miles on Friday and 389 miles on Saturday. Estimate the difference between the miles they drove on Friday and miles they drove on Saturday.	Deontre has two one-dollar bills, five quarters, three nickels, 6 dimes, and four pennies in his pocket. How much money does Deontre have?
\$1 0 0	Write 754,389 in expanded form.	Mowlid collected 276 stickers during the month of March, 522 stickers during April, and 162 stickers in May. Estimate the total number of stickers Mowlid collected altogether.	100,878 people attended the last Buckeye home game. Round this number to the nearest thousand.
\$1 0 0	A lottery winner was given her prize money. She was given three \$100 bills, eight \$1,000 bills, eleven \$10 bills, and two \$1 bills. How much money did she win?	Create the greatest number possible with all of the following digits: 1, 6, 4, 3, 9, 8.	Mount Columbus is 12,763 feet tall. Round the height to the nearest thousand.

Math Jeopardy

Number, Number Sense, and Operations

\$200	You have \$10. Do you have enough to buy a pack of markers for \$2.73, a pack of colored pencils for \$3.96, and four coloring books for \$0.99 each?	Alyssa ate more than one-half of a pizza but not the whole pizza. How much of the pizza could Alyssa have eaten?	Lilia had seven-eighths of a yard of ribbon. She cut some ribbon off to use in an art project. Four-eighths of a yard of ribbon remained. How much ribbon did Lilia cut off?
\$200	List 3 multiples of 12.	Last year, the Old-Fashioned Ice Cream Shop sold over 43,987 banana splits but less than 44,539 banana splits. How many banana splits could they have sold?	Name a prime number between 20 and 30.
\$200	How can you use the associative property to solve this problem? $(18 \times 5) \times 2$	How can you solve 43×6 using the distributive property?	You spend \$2.85 at the school store. You pay with a \$5 bill. How much change will you receive?
\$200	Michelle's plant grew four-eighths of an inch during the first week. The plant grew five-eighths inch the next week. How much did the plant grow altogether?	Jordan bought three cookies at the bake sale for \$0.89 each and two brownies for \$1.25 each. How much did he spend altogether?	Compare 0.75 and 0.8.

Math Jeopardy

Number, Number Sense, and Operations

<p>\$3 0 0</p>	<p>Forty-nine fourth graders were going on a field trip. If 8 students could fit on each bus, how many busses will the fourth grade need to go on the trip?</p>	<p>Nereyda walks to school and home each day. Her house is 1.3 miles away from school. Estimate the distance she walks in one week.</p>	<p>Marquetta bought a banana for \$0.79 and two packs of crackers for \$1.23 each. She paid with a \$5 bill. How much change will she receive?</p>
<p>\$3 0 0</p>	<p>You have 5 quarters, 2 dimes, 1 penny, and 2 nickels. Represent the fraction of the coins that are not quarters as a decimal and a fraction.</p>	<p>At the movies there are 25 rows of seats. There are 9 seats in each row. How many seats are there altogether?</p>	<p>There are 96 students in the fourth grade. The students are being broken into teams of 6. How many teams will need to be made for all of the fourth graders to be on a team?</p>
<p>\$3 0 0</p>	<p>Put the fractions in order from least to greatest. $\frac{9}{10}$, $\frac{2}{12}$, $\frac{5}{8}$</p>	<p>You buy a movie ticket for \$7.25 and a bucket of popcorn for \$4.85. You pay with a \$20 bill. How much change will you receive?</p>	<p>Some fractions are less than one. Some fractions are equal to one. Some fractions are greater than one. Write a fraction that is greater than one.</p>
<p>\$3 0 0</p>	<p>List five prime numbers between 2 and 20.</p>	<p>Eli ate five-twelfths of his candy bar. Imani ate six-tenths of her candy bar. Both candy bars are the same size. Who has more of their candy bar left?</p>	<p>Natalia bought two-tenths of a pound of gummy worms and eight-hundredths of a pound of gummy bears. How many pounds of candy did she buy in all?</p>

Math Jeopardy

Number, Number Sense, and Operations

\$400	Diamond collects stickers. She has 90 stickers in each of her 34 sticker books. How many stickers does Diamond have in all?	Mr. Jones is passing out bags of snacks. Four-twelfths are pretzels, two-twelfths are peanuts, two-twelfths are cookies, and four-twelfths are fruit snacks. Is the amount of salty snacks more than half of the total snacks, less than half of the total snacks, or equal to half of the total snacks?	Nine fourth grade classes at Hillside Elementary have a bake sale every year. Each classroom will get a fair share of the money to buy books. If \$358 was made, about how much money will each classroom get?
\$400	Kairell has 30 doughnuts to package for the school bake sale. He can package them in packs of 2 or packs of 5. List three different ways he can package the doughnuts.	Mikayla's garden has 6 rows of strawberry plants. There are 20 strawberry plants in each row. If Mikayla sells each plant for \$2, how much money will she make?	Anisa bought 15 boxes of folders. Each box had 6 ten-packs of folders in it. How many folders did Anisa buy altogether?
\$400	Shawn delivers 27 newspapers each day every Monday through Saturday and 35 newspapers on Sunday. How many newspapers does Shawn deliver in one week?	Courtney had \$40. She spent \$2.50 each week at the recreation center. How much money did he have left after 8 weeks?	The school store had 489 pencils to sell. They sold about half of the pencils on Tuesday. About how many pencils did the school store sell on Tuesday?
\$400	Abram makes bookmarks. He uses 8 inches of ribbon for each bookmark. If he has 208 inches of ribbon, how many complete bookmarks can he make?	Mrs. Jackson has 7 dozen pencils. If her class uses 36 pencils, how many pencils does Mrs. Jackson have left?	Mrs. Sweeney has 527 papers to grade. She has already graded 289 papers. How many more papers does she need to grade?

Math Jeopardy

Number, Number Sense, and Operations

<p>\$100</p>	<p>Sapphira bought a book for \$2.89 and a pencil for \$0.78. About how much did she spend?</p> <p>Answers will vary based on the estimation strategy.</p>	<p>Write 190,456 in expanded form.</p> <p>$100,000 + 90,000 + 400 + 50 + 6$</p>	<p>Forty-five thousand, sixty eight people visited the county fair last year. Write the amount of people in standard form.</p> <p>45,068</p>
<p>\$100</p>	<p>What is the product of 8 and 19?</p> <p>152</p>	<p>The Millers drove 623 miles on Friday and 389 miles on Saturday. Estimate the difference between the miles they drove on Friday and miles they drove on Saturday.</p> <p>Answers will vary based upon the estimation strategy.</p>	<p>Deontre has two one-dollar bills, five quarters, three nickels, 6 dimes, and four pennies in his pocket. How much money does Deontre have?</p> <p>\$4.04</p>
<p>\$100</p>	<p>Write 754,389 in expanded form.</p> <p>$(7 \times 100,000) + (5 \times 10,000) + (4 \times 1,000) + (3 \times 100) + (8 \times 10) + (9 \times 1)$</p>	<p>Mowlid collected 276 stickers during the month of March, 522 stickers during April, and 162 stickers in May. Estimate the total number of stickers Mowlid collected altogether.</p> <p>Answers will vary based on the estimation strategy.</p>	<p>100,878 people attended the last Buckeye home game. Round this number to the nearest thousand.</p> <p>101,000</p>
<p>\$100</p>	<p>A lottery winner was given her prize money. She was given three \$100 bills, eight \$1,000 bills, eleven \$10 bills, and two \$1 bills. How much money did she win?</p> <p>\$8,412</p>	<p>Create the greatest number possible with all of the following digits: 1, 6, 4, 3, 9, 8.</p> <p>986,431</p>	<p>Mount Columbus is 12,763 feet tall. Round the height to the nearest thousand.</p> <p>13,000</p>

Math Jeopardy

Number, Number Sense, and Operations

\$200	<p>You have \$10. Do you have enough to buy a pack of markers for \$2.73, a pack of colored pencils for \$3.96, and four coloring books for \$0.99 each?</p> <p style="text-align: center;">No</p>	<p>Alyssa ate more than one-half of a pizza but not the whole pizza. How much of the pizza could Alyssa have eaten?</p> <p style="text-align: center;">Answers will vary.</p>	<p>Lilia had seven-eighths of a yard of ribbon. She cut some ribbon off to use in an art project. Four-eighths of a yard of ribbon remained. How much ribbon did Lilia cut off?</p> <p style="text-align: center;">three-eighths of a yard</p>
\$200	<p>List 3 multiples of 12.</p> <p>Answers may include 12, 24, 36, 48, 60, 72, 84, 96, etc.</p>	<p>Last year, the Old-Fashioned Ice Cream Shop sold over 43,987 banana splits but less than 44,539 banana splits. How many banana splits could they have sold?</p> <p style="text-align: center;">Answers will vary.</p>	<p>Name a prime number between 20 and 30.</p> <p>Answers may include 23 or 29.</p>
\$200	<p>How can you use the associative property to solve this problem? $(18 \times 5) \times 2$</p> <p style="text-align: center;">$(5 \times 2) \times 18$</p>	<p>How can you solve 43×6 using the distributive property?</p> <p style="text-align: center;">$(40 \times 6) + (3 \times 6)$</p>	<p>You spend \$2.85 at the school store. You pay with a \$5 bill. How much change will you receive?</p> <p style="text-align: center;">\$2.15</p>
\$200	<p>Michelle's plant grew four-eighths of an inch during the first week. The plant grew five-eighths inch the next week. How much did the plant grow altogether?</p> <p style="text-align: center;">nine-eighths inches or $1\frac{1}{8}$ inches</p>	<p>Jordan bought three cookies at the bake sale for \$0.89 each and two brownies for \$1.25 each. How much did he spend altogether?</p> <p style="text-align: center;">\$5.17</p>	<p>Compare 0.75 and 0.8.</p> <p style="text-align: center;">0.8 is greater than 0.75.</p>

Math Jeopardy

Number, Number Sense, and Operations

<p>\$300</p>	<p>Forty-nine fourth graders were going on a field trip. If 8 students could fit on each bus, how many busses will the fourth grade need to go on the trip?</p> <p style="text-align: center;">7 busses</p>	<p>Nereyda walks to school and home each day. Her house is 1.3 miles away from school. Estimate the distance she walks in one week.</p> <p style="text-align: center;">about 10 miles</p>	<p>Marquetta bought a banana for \$0.79 and two packs of crackers for \$1.23 each. She paid with a \$5 bill. How much change will she receive?</p> <p style="text-align: center;">\$1.75</p>
<p>\$300</p>	<p>You have 5 quarters, 2 dimes, 1 penny, and 2 nickels. Represent the fraction of the coins that are not quarters as a decimal and a fraction.</p> <p style="text-align: center;">0.5, five-tenths, one-half</p>	<p>At the movies there are 25 rows of seats. There are 9 seats in each row. How many seats are there altogether?</p> <p style="text-align: center;">225 seats</p>	<p>There are 96 students in the fourth grade. The students are being broken into teams of 6. How many teams will need to be made for all of the fourth graders to be on a team?</p> <p style="text-align: center;">16 teams</p>
<p>\$300</p>	<p>Put the fractions in order from least to greatest. 9/10, 2/12, 5/8</p> <p style="text-align: center;">2/12, 5/8, 9/10</p>	<p>You buy a movie ticket for \$7.25 and a bucket of popcorn for \$4.85. You pay with a \$20 bill. How much change will you receive?</p> <p style="text-align: center;">\$7.90</p>	<p>Some fractions are less than one. Some fractions are equal to one. Some fractions are greater than one. Write a fraction that is greater than one.</p> <p style="text-align: center;">Answers will vary.</p>
<p>\$300</p>	<p>List five prime numbers between 2 and 20.</p> <p style="text-align: center;">Answers could include 3, 5, 7, 11, 13, 17, or 19.</p>	<p>Eli ate five-twelfths of his candy bar. Imani ate six-tenths of her candy bar. Both candy bars are the same size. Who has more of their candy bar left?</p> <p style="text-align: center;">Eli has more of his candy bar left.</p>	<p>Natalia bought two-tenths of a pound of gummy worms and eight-hundredths of a pound of gummy bears. How many pounds of candy did she buy in all?</p> <p style="text-align: center;">0.28 pounds</p>

Math Jeopardy

Number, Number Sense, and Operations

<p>\$400</p>	<p>Diamond collects stickers. She has 90 stickers in each of her 34 sticker books. How many stickers does Diamond have in all?</p> <p>3,060 stickers</p>	<p>Mr. Jones is passing out bags of snacks. Four-twelfths are pretzels, two-twelfths are peanuts, two-twelfths are cookies, and four-twelfths are fruit snacks. Is the amount of salty snacks more than half of the total snacks, less than half of the total snacks, or equal to half of the total snacks?</p> <p>equal to half</p>	<p>Nine fourth grade classes at Hillside Elementary have a bake sale every year. Each classroom will get a fair share of the money to buy books. If \$358 was made, about how much money will each classroom get?</p> <p>about \$40</p>
<p>\$400</p>	<p>Kairell has 30 doughnuts to package for the school bake sale. He can package them in packs of 2 or packs of 5. List three different ways he can package the doughnuts.</p> <p>Answers can include 15 packs of 2, 6 packs of 5, 10 packs of 2 and 2 packs of 5, etc.</p>	<p>Mikayla's garden has 6 rows of strawberry plants. There are 20 strawberry plants in each row. If Mikayla sells each plant for \$2, how much money will she make?</p> <p>\$240</p>	<p>Anisa bought 15 boxes of folders. Each box had 6 ten-packs of folders in it. How many folders did Anisa buy altogether?</p> <p>900 folders</p>
<p>\$400</p>	<p>Shawn delivers 27 newspapers each day every Monday through Saturday and 35 newspapers on Sunday. How many newspapers does Shawn deliver in one week?</p> <p>197 papers</p>	<p>Courtney had \$40. She spent \$2.50 each week at the recreation center. How much money did he have left after 8 weeks?</p> <p>\$20</p>	<p>The school store had 489 pencils to sell. They sold about half of the pencils on Tuesday. About how many pencils did the school store sell on Tuesday?</p> <p>about 250 pencils</p>
<p>\$400</p>	<p>Abram makes bookmarks. He uses 8 inches of ribbon for each bookmark. If he has 208 inches of ribbon, how many complete bookmarks can he make?</p> <p>26 bookmarks</p>	<p>Mrs. Jackson has 7 dozen pencils. If her class uses 36 pencils, how many pencils does Mrs. Jackson have left?</p> <p>48 pencils</p>	<p>Mrs. Sweeney has 527 papers to grade. She has already graded 289 papers. How many more papers does she need to grade?</p> <p>238 papers</p>

Math Jeopardy

Measurement

<p>\$1 0 0</p>	<p>Janay is baking cookies. She put the cookies in the oven at 4:30 p.m. They baked for a half-hour. What time were the cookies finished?</p>	<p>Fill in the blank with liters or milliliters: A coffee cup holds about 100 _____.</p>	<p>The library is 4,000 meters away from Park Elementary School. How many kilometers equal 4,000 meters?</p>
<p>\$1 0 0</p>	<p>Fill in the blank with pounds or ounces: A bowling ball weighs about 8 _____.</p>	<p>A football field is 100 yards in length. What is the length of a football field in feet?</p>	<p>The grocery store is out of gallons of milk. How many quarts of milk do you have to buy to equal one gallon?</p>
<p>\$1 0 0</p>	<p>Erick weighed an object and determined it weighed about 50 grams. Could the object be a piece of candy, a math book, or a puppy?</p>	<p>Medicines can come in the form of a pill. Is the weight of a pill measured in kilograms, grams, or milligrams?</p>	<p>Fill in the blank with liters or milliliters: A kiddie swimming pool holds about 30 _____.</p>
<p>\$1 0 0</p>	<p>Fill in the blank with yards or feet: The height of a classroom is about 15 _____.</p>	<p>Mrs. Smith is making a bulletin board. She wants to buy new border. What measurement does she need to know so she can buy enough border?</p>	<p>How many centimeters are in a meter?</p>

Math Jeopardy

Measurement

\$200	Wendy's backpack weighs 932 grams. Does her backpack weigh more than a kilogram or less than a kilogram?	Room 17 eats lunch at quarter after 12. What time does Room 17 eat lunch?	Soccer practice ended at 7:35 p. m. It began two hours and ten minutes earlier. What time did soccer practice begin?
\$200	Fill in the blank with pounds or ounces: A newborn baby weighs about 7 _____.	Every week Evens writes in his journal for 60 minutes. Over the course of one year, how long does Evens spend writing in his journal?	Sagal is 50 inches tall. How tall is Sagal in feet and inches?
\$200	A recipe calls for one quart of tomato sauce. Trinity has three cups of tomato sauce. Does she have enough?	Moneisha is making hair bows. She needs 2 yards of ribbon. She has 5 feet of ribbon. Does she have enough ribbon to make her hair bows?	Cheyenne is helping her teacher put up a bulletin board. She told the teacher they need 15 _____ of paper to cover the board. Which customary unit could she have used?
\$200	DeShawn measured an object and found that it was 400 square centimeters. Which could DeShawn have measured: the perimeter of a book, the volume of a cereal box, or the area of a floor tile?	Aisha wants to measure the distance from her house to school. What unit of measure will give Aisha the largest number, feet or miles?	Tanasha measured a hamster cage. She found that the measurement was 50 cubic inches. Did Tanasha measure the perimeter of one side, the area of one side, or the volume of the cage?

Math Jeopardy

Measurement

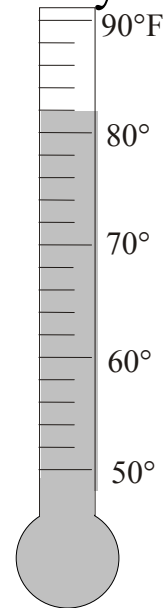
\$300	Lily reads for 45 minutes before bed. If she reads for five nights, how many hours and minutes will she have read?	The weather was rainy for a day and a half. For how many hours was it rainy?	The meteorologist says that today's high temperature will be 85° Fahrenheit. What activities will people most likely be doing outside?
\$300	Noah started doing his homework at 5:50 p.m. He finished at 6:35 p.m. How long did it take Noah to do his homework?	Mary is filling her fish tank. Which size container should she use to make the fewest amount of trips to the sink: a one-gallon container, a one-quart container, or a one-pint container?	One square measures 4 inches on each side. A rectangle measures 3 inches on one side and 4 inches on the other. Which shape has a larger area: the square or the rectangle?
\$300	Today is March 5 th . Room 16 has a math project due in two weeks and four days. On what day is the project due?	Maribel is planning a party. She needs 5 liters of juice for everyone to get a glass. She has 2,000 milliliters of apple juice and 3 liters of orange juice. Does she have enough juice?	Saaïd is measuring the distance from his house to school. Which unit of measure will give him the smallest number: feet or miles?
\$300	The shorter side of a rectangle measures 4 inches. The other side is double that length. What is the perimeter of the rectangle?	Ayan is picking out an outfit to wear to school. The temperature outside is 35° Fahrenheit. What could she wear?	Math class started at 9:45 a. m. It ended at 11:15 a. m. How long did math class last?

Math Jeopardy

Measurement

\$4
0
0

Today's high temperature is shown on the thermometer. Yesterday's high temperature was 5° warmer. What was yesterday's high temperature?

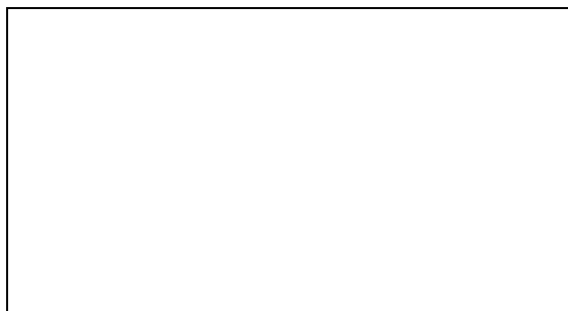


\$4
0
0

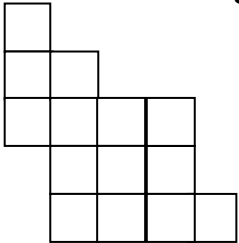
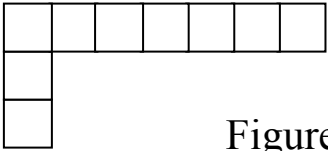
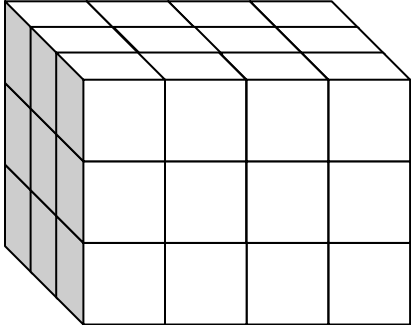
Jerika wants to put a fence around her garden. The drawing shows the size of the garden. Fencing comes in one-foot lengths. How many lengths of fencing does Jerika need?

9 yards

5 yards



Math Jeopardy Measurement

<p style="text-align: center; font-size: 2em;">\$4 0 0</p>	<p>Aaron is making punch. He needs 2 liters of orange juice and 3,000 milliliters of pineapple juice to make enough punch for 10 people. How many liters of orange juice and pineapple juice does he need to serve 20 people?</p>	<p>Draw a rectangle in which one side measures $1\frac{1}{2}$ inches and another side measures $2\frac{1}{4}$ inches.</p>
<p style="text-align: center; font-size: 2em;">\$4 0 0</p>	<p>Compare the areas of the figures below.</p> <div style="text-align: center;"> <p>Figure 1</p>  </div> <div style="text-align: center; margin-top: 20px;">  <p>Figure 2</p> </div>	<p>Carlee wanted to build a tower that was three cubes high, four cubes long, and three cubes wide. She said she would need 36 cubes to build the tower. How did she determine the number of cubes needed to build her tower?</p> <div style="text-align: center;">  </div>

Math Jeopardy

Measurement

<p>\$100</p>	<p>Janay is baking cookies. She put the cookies in the oven at 4:30 p.m. They baked for a half-hour. What time were the cookies finished?</p> <p>5:00 p. m.</p>	<p>Fill in the blank with liters or milliliters: A coffee cup holds about 100 _____.</p> <p>milliliters</p>	<p>The library is 4,000 meters away from Park Elementary School. How many kilometers equal 4,000 meters?</p> <p>4 kilometers</p>
<p>\$100</p>	<p>Fill in the blank with pounds or ounces: A bowling ball weighs about 8 _____.</p> <p>pounds</p>	<p>A football field is 100 yards in length. What is the length of a football field in feet?</p> <p>300 feet</p>	<p>The grocery store is out of gallons of milk. How many quarts of milk do you have to buy to equal one gallon?</p> <p>4 quarts</p>
<p>\$100</p>	<p>Erick weighed an object and determined it weighed about 50 grams. Could the object be a piece of candy, a math book, or a puppy?</p> <p>a piece of candy</p>	<p>Medicines can come in the form of a pill. Is the weight of a pill measured in kilograms, grams, or milligrams?</p> <p>milligrams</p>	<p>Fill in the blank with liters or milliliters: A kiddie swimming pool holds about 30 _____.</p> <p>liters</p>
<p>\$100</p>	<p>Fill in the blank with yards or feet: The height of a classroom is about 15 _____.</p> <p>feet</p>	<p>Mrs. Smith is making a bulletin board. She wants to buy new border. What measurement does she need to know so she can buy enough border?</p> <p>perimeter</p>	<p>How many centimeters are in a meter?</p> <p>100 centimeters</p>

Math Jeopardy

Measurement

\$200	<p>Wendy's backpack weighs 932 grams. Does her backpack weigh more than a kilogram or less than a kilogram?</p> <p>less than a kilogram</p>	<p>Room 17 eats lunch at quarter after 12. What time does Room 17 eat lunch?</p> <p>12:15 p. m.</p>	<p>Soccer practice ended at 7:35 p. m. It began two hours and ten minutes earlier. What time did soccer practice begin?</p> <p>5:25 p. m.</p>
\$200	<p>Fill in the blank with pounds or ounces: A newborn baby weighs about 7 _____.</p> <p>7 pounds</p>	<p>Every week Evan writes in his journal for 60 minutes. Over the course of one year, how long does Evan spend writing in his journal?</p> <p>3120 minutes or 52 hours</p>	<p>Sagal is 50 inches tall. How tall is Sagal in feet and inches?</p> <p>4 feet 2 inches</p>
\$200	<p>A recipe calls for one quart of tomato sauce. Trinity has three cups of tomato sauce. Does she have enough?</p> <p>no, 4 cups = 1 quart</p>	<p>Moneisha is making hair bows. She needs 2 yards of ribbon. She has 5 feet of ribbon. Does she have enough ribbon to make her hair bows?</p> <p>no, 6 feet = 2 yards</p>	<p>Cheyenne is helping her teacher put up a bulletin board. She told the teacher they need 15 _____ of paper to cover the board. Which customary unit could she have used?</p> <p>square feet</p>
\$200	<p>DeShawn measured an object and found that it was 400 square centimeters. Which could DeShawn have measured: the perimeter of a book, the volume of a cereal box, or the area of a floor tile?</p> <p>area of a floor tile</p>	<p>Aisha wants to measure the distance from her house to school. What unit of measure will give Aisha the largest number, feet or miles?</p> <p>feet</p>	<p>Tanasha measured a hamster cage. She found that the measurement was 50 cubic inches. Did Tanasha measure the perimeter of one side, the area of one side, or the volume of the cage?</p> <p>volume of the cage</p>

Math Jeopardy

Measurement

<p>\$300</p>	<p>Lily reads for 45 minutes before bed. If she reads for five nights, how many hours and minutes will she have read? 3 hours 45 minutes</p>	<p>The weather was rainy for a day and a half. For how many hours was it rainy? 36 hours</p>	<p>The meteorologist says that today's high temperature will be 85° Fahrenheit. What activities will people most likely be doing outside? Answers will vary.</p>
<p>\$300</p>	<p>Noah started doing his homework at 5:50 p.m. He finished at 6:35 p.m. How long did it take Noah to do his homework? 45 minutes</p>	<p>Mary is filling her fish tank. Which size container should she use to make the fewest amount of trips to the sink: a one-gallon container, a one-quart container, or a one-pint container? one-gallon</p>	<p>One square measures 4 inches on each side. A rectangle measures 3 inches on one side and 4 inches on the other. Which shape has a larger area: the square or the rectangle? square</p>
<p>\$300</p>	<p>Today is March 5th. Room 16 has a math project due in two weeks and four days. On what day is the project due? March 23rd</p>	<p>Maribel is planning a party. She needs 5 liters of juice for everyone to get a glass. She has 2,000 milliliters of apple juice and 3 liters of orange juice. Does she have enough juice? yes</p>	<p>Saaïd is measuring the distance from his house to school. Which unit of measure will give him the smallest number: feet or miles? miles</p>
<p>\$300</p>	<p>The shorter side of a rectangle measures 4 inches. The other side is double that length. What is the perimeter of the rectangle? 24 inches</p>	<p>Ayan is picking out an outfit to wear to school. The temperature outside is 35° Fahrenheit. What could she wear? coat, hat, mittens, scarf, etc.</p>	<p>Math class started at 9:45 a. m. It ended at 11:15 a. m. How long did math class last? one and one-half hours or 1 hour 30 minutes</p>

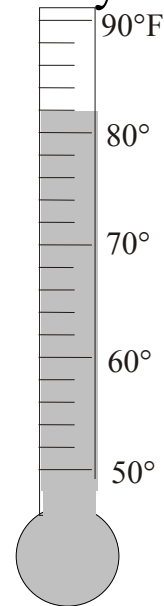
Math Jeopardy

Measurement

\$4
0
0

Today's high temperature is shown on the thermometer. Yesterday's high temperature was 5° warmer. What was yesterday's high temperature?

87°

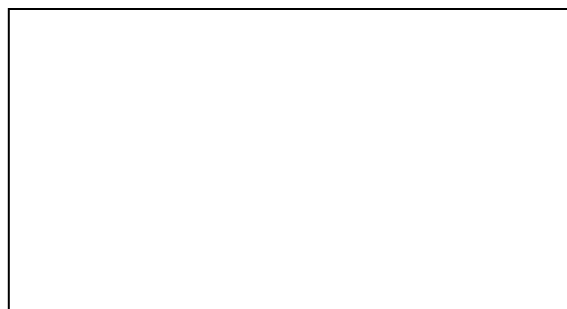


\$4
0
0

Jerika wants to put a fence around her garden. The drawing shows the size of the garden. Fencing comes in one-foot lengths. How many lengths of fencing does Jerika need?

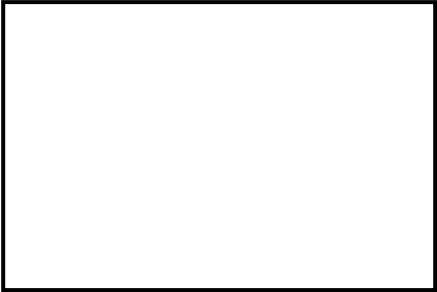
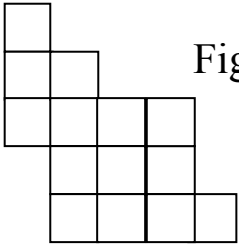
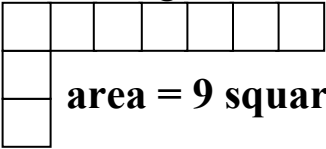
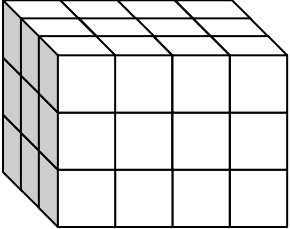
84 feet
9 yards

5 yards



Math Jeopardy

Measurement

<p>\$400</p>	<p>Aaron is making punch. He needs 2 liters of orange juice and 3,000 milliliters of pineapple juice to make enough punch for 10 people. How many liters of orange juice and pineapple juice does he need to serve 20 people?</p> <p>10 liters</p>	<p>Draw a rectangle in which one side measures $1\frac{1}{2}$ inches and another side measures $2\frac{1}{4}$ inches.</p> 
<p>\$400</p>	<p>Compare the areas of the figures below.</p> <p>Figure 1</p>  <p>area = 14 square units</p> <p>Figure 2</p>  <p>area = 9 square units</p> <p>Figure 1 has a greater area than Figure 2.</p>	<p>Carlee wanted to build a tower that was three cubes high, four cubes long, and three cubes wide. She said she would need 36 cubes to build the tower. How did she determine the number of cubes needed to build her tower?</p>  <p>Answers will vary.</p>

Math Jeopardy

Geometry

\$100	True or false: Two lines intersect at a point.	A triangle has a right angle. Name the type of triangle based on angle measure.	Name three different classifications of quadrilaterals.
\$100	How do triangles and quadrilaterals differ?	Fill in the blanks: A cube has _____ faces, _____ vertices, and _____ edges.	What are two ways triangles are classified?
\$100	Explain how you would plot the coordinate pair (4,3).	How many lines of symmetry does a square have?	Name a type of angle that measures greater than 90° but less than 180° .
\$100	What types of angles are formed by the intersection of perpendicular lines?	What transformation is a synonym for slide?	Define scalene triangle.

Math Jeopardy

Geometry

\$200	Compare an acute and an obtuse angle.	Name three types of triangles that are classified by the lengths of their sides.	Name three different geometric transformations and a synonym for each.
\$200	Shadrick knew that two triangles were congruent because he turned them and they were the same shape and size. What transformation did Shadrick use?	How are parallel lines and perpendicular lines different?	What are three characteristics of a square?
\$200	How are a cone and a cylinder similar?	Mulberry Street is parallel to Moonlight Avenue. What is true for parallel lines?	How is an equilateral triangle different from an isosceles triangle?
\$200	Give the geometric term for a flat surface that is infinitely wide and infinitely long without thickness.	Your finger is located at (5,3). If you move your finger over 3 and up 6, on what point will you be located?	Why is a square also classified as a rectangle?

Math Jeopardy

Geometry

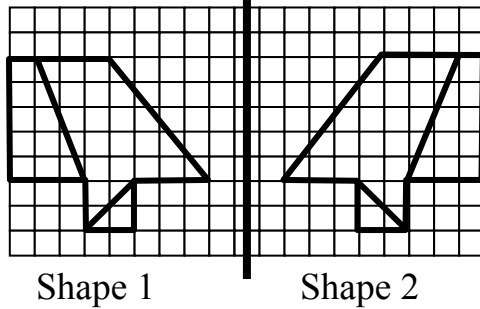
\$300	Place the following types of angles in order from smallest angle measure to largest angle measure: straight, acute, obtuse, right.	Compare the number of faces on a cylinder and a cube.	The vertices of a triangle are located at (1,1), (3, 3), and (5,1). If the triangle was translated three spaces to the right, what would the new coordinates be?
\$300	How is a triangular prism different from a rectangular prism?	If three vertices of a rectangle are located at (2,4), (2,8), and (5,4), what is the location of the fourth vertex?	How does a cube differ from a rectangular prism?
\$300	What do a square, a parallelogram, a rectangle, and a trapezoid have in common?	Name a three-dimensional figure whose faces are all triangles.	Draw examples of three different polygons.
\$300	A bug lands on a rope stretched between two trees on a lawn at a park. Which object (the bug, the rope, the lawn, the park) is best described as a point?	Give one way that a cone and a cylinder are alike and one way they are different.	If Triangle A is classified as an obtuse triangle, what can be said about its angle measures?

Math Jeopardy

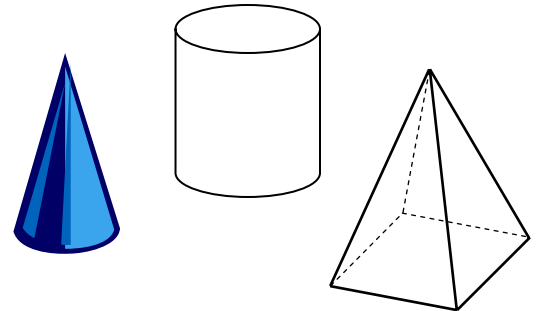
Geometry

\$4
0
0

The grid shows two shapes. What transformation changed shape 1 to shape 2?

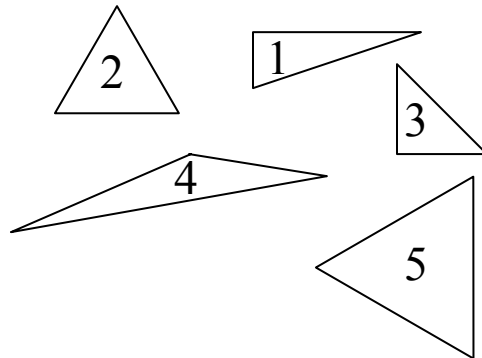


Which figure is different from the other figures? Explain how it is different from the other figures.

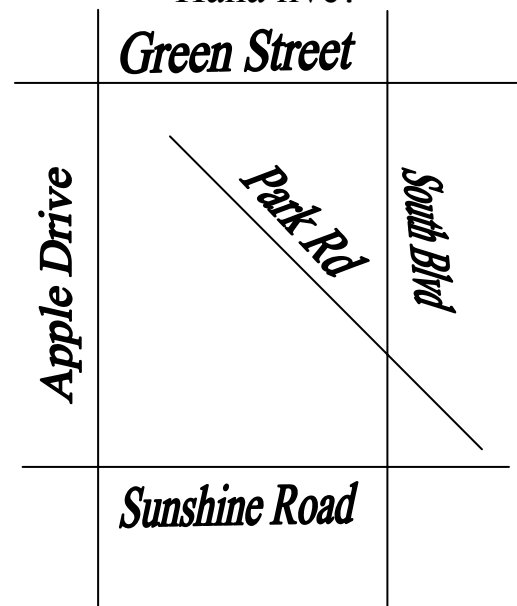


\$4
0
0

Look at the set of triangles below. Which triangles appear to be scalene?



A map of Hana's neighborhood is shown. Hana lives on the street that is parallel to Sunrise Road. On what street does Hana live?



Math Jeopardy

Geometry

<p>\$100</p>	<p>True or false: Two lines intersect at a point.</p> <p>True</p>	<p>A triangle has a right angle. Name the type of triangle based on angle measure.</p> <p>right triangle</p>	<p>Name three different classifications of quadrilaterals.</p> <p>Answers could include square, rectangle, trapezoid, rhombus, or parallelogram.</p>
<p>\$100</p>	<p>How do triangles and quadrilaterals differ?</p> <p>Triangles have three sides and quadrilaterals have four sides.</p>	<p>Fill in the blanks: A cube has _____ faces, _____ vertices, and _____ edges.</p> <p>6 faces; 8 vertices; 12 edges</p>	<p>What are two ways triangles are classified?</p> <p>side lengths and angle measures</p>
<p>\$100</p>	<p>Explain how you would plot the coordinate pair (4,3).</p> <p>Move over 4 and up 3.</p>	<p>How many lines of symmetry does a square have?</p> <p>four</p>	<p>Name a type of angle that measures greater than 90° but less than 180°.</p> <p>obtuse angle</p>
<p>\$100</p>	<p>What types of angles are formed by the intersection of perpendicular lines?</p> <p>right angles</p>	<p>What transformation is a synonym for slide?</p> <p>translation</p>	<p>Define scalene triangle.</p> <p>All side lengths are different.</p>

Math Jeopardy

Geometry

<p>\$200</p>	<p>Compare an acute and an obtuse angle.</p> <p>An acute angle's measure is smaller than an obtuse angle's measure.</p>	<p>Name three types of triangles that are classified by the lengths of their sides.</p> <p>isosceles, equilateral, and scalene</p>	<p>Name three different geometric transformations and a synonym for each.</p> <p>rotation (turn); translation (slide); reflection (flip)</p>
<p>\$200</p>	<p>Shadrick knew that two triangles were congruent because he turned them and they were the same shape and size. What transformation did Shadrick use?</p> <p>rotation</p>	<p>How are parallel lines and perpendicular lines different?</p> <p>Parallel lines never intersect, and perpendicular lines intersect to form right angles.</p>	<p>What are three characteristics of a square?</p> <p>Answers may include a square has four right angles, four equal sides, four lines of symmetry, two sets of parallel lines, etc.</p>
<p>\$200</p>	<p>How are a cone and a cylinder similar?</p> <p>Both have circular bases and a curved surface.</p>	<p>Mulberry Street is parallel to Moonlight Avenue. What is true for parallel lines?</p> <p>Parallel lines never intersect.</p>	<p>How is an equilateral triangle different from an isosceles triangle?</p> <p>An equilateral triangle has three equal sides, and an isosceles triangle has two equal angles.</p>
<p>\$200</p>	<p>Give the geometric term for a flat surface that is infinitely wide and infinitely long without thickness.</p> <p>a plane</p>	<p>Your finger is located at (5,3). If you move your finger over 3 and up 6, on what point will you be located?</p> <p>(8, 9)</p>	<p>Why is a square also classified as a rectangle?</p> <p>Both a rectangle and a square are quadrilaterals that have two sets of parallel lines and four 90° angles.</p>

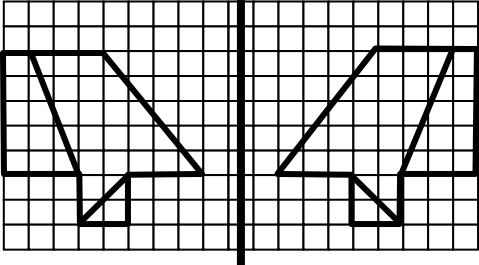
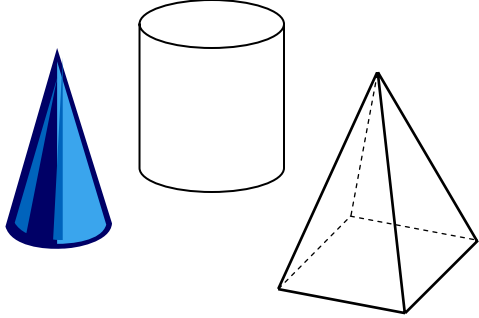
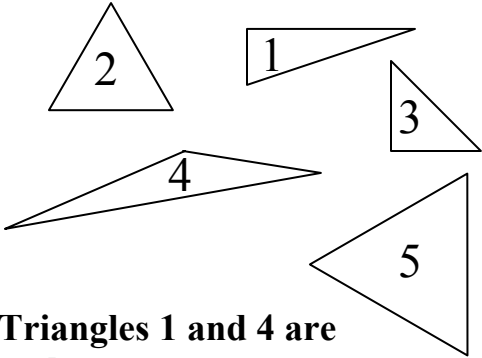
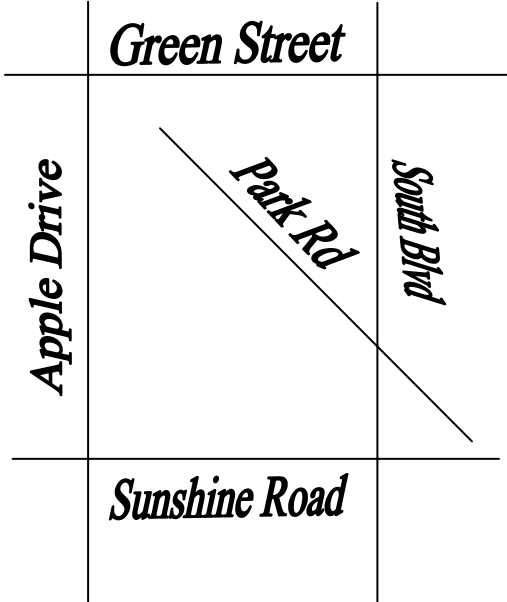
Math Jeopardy

Geometry

<p>\$300</p>	<p>Place the following types of angles in order from smallest angle measure to largest angle measure: straight, acute, obtuse, right.</p> <p>acute, right, obtuse, straight</p>	<p>Compare the number of faces on a cylinder and a cube.</p> <p>A cube has six faces, and a cylinder has three faces.</p>	<p>The vertices of a triangle are located at (1,1), (3, 3), and (5,1). If the triangle was translated three spaces to the right, what would the new coordinates be?</p> <p>(4, 1), (6, 3), (8, 1)</p>
<p>\$300</p>	<p>How is a triangular prism different from a rectangular prism?</p> <p>A triangular prism has two triangular bases, and a rectangular prism has two rectangular bases.</p>	<p>If three vertices of a rectangle are located at (2,4), (2,8), and (5,4), what is the location of the fourth vertex?</p> <p>(5, 8)</p>	<p>How does a cube differ from a rectangular prism?</p> <p>A cube is a rectangular prism with 6 congruent faces that are squares. A rectangular prism has 6 faces that are all rectangles.</p>
<p>\$300</p>	<p>What do a square, a parallelogram, a rectangle, and a trapezoid have in common?</p> <p>They can all be classified as quadrilaterals.</p>	<p>Name a three-dimensional figure whose faces are all triangles.</p> <p>triangular pyramid</p>	<p>Draw examples of three different polygons.</p> <p>Answers will vary. A polygon must be closed and have sides that are line segments.</p>
<p>\$300</p>	<p>A bug lands on a rope stretched between two trees on a lawn at a park. Which object (the bug, the rope, the lawn, the park) is best described as a point?</p> <p>the bug</p>	<p>Give one way that a cone and a cylinder are alike and one way they are different.</p> <p>Answers may vary. A cone and a cylinder both have a curved surface. Both have at least one circular face. A cone has one vertex, and a cylinder does not have any vertices, etc.</p>	<p>If Triangle A is classified as an obtuse triangle, what can be said about its angle measures?</p> <p>One of the angles of the triangle is obtuse and the other two are acute.</p>

Math Jeopardy

Geometry

<p>\$400</p>	<p>The grid shows two shapes. What transformation changed shape 1 to shape 2?</p>  <p>Shape 1 Shape 2</p> <p>reflection</p>	<p>Which figure is different from the other figures? Explain how it is different from the other figures.</p>  <p>The cylinder does not have a vertex.</p>
<p>\$400</p>	<p>Look at the set of triangles below. Which triangles appear to be scalene?</p>  <p>Triangles 1 and 4 are scalene.</p>	<p>A map of Hana's neighborhood is shown. Hana lives on the street that is parallel to Sunrise Road. On what street does Hana live?</p>  <p>Hana lives on Green Street</p>

Math Jeopardy

Patterns, Functions, and Algebra

<p>\$100</p>	<p>What number does the ♥ represent?</p> $214 = \heartsuit + 166$	<p>Which whole numbers would make this inequality true?</p> $\square + 2 > 10$	<p>Describe the rule in this pattern.</p> <p>1, 3, 9, 27, 81</p>
<p>\$100</p>	<p>What number does the t represent?</p> $t \div 2 = 12$	<p>Describe the rule in this pattern.</p> <p>16, 22, 28, 34, 40</p>	<p>What is the value of x?</p> $9 + 6 = x + 5$
<p>\$100</p>	<p>Which whole numbers would make this inequality true?</p> $80 - y > 55$	<p>What is the value of z?</p> $z + 99 = 143$	<p>What number comes next in the pattern below?</p> <p>88, 76, 64, 52, ____</p>
<p>\$100</p>	<p>Name the missing number in this pattern.</p> $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16}, \text{---}$	<p>$27 - \diamond = 19$</p> <p>What number is represented by \diamond?</p>	<p>What number does ♥ represent?</p> $4\heartsuit = 64$

Math Jeopardy

Patterns, Functions, and Algebra

\$200	Anisa studied for her math test on Tuesday. She studied again on Wednesday for 45 minutes. Altogether she studied 80 minutes. Write an equation that represents how to determine how many minutes Anisa studied on Tuesday.	Mr. Hamilton graded 154 papers on Monday. He graded some more papers on Tuesday. Altogether he graded 321 papers. Write an equation to represent how many papers Mr. Hamilton graded on Tuesday.	Describe the rule in this pattern. 1, 3, 7, 15, 31
\$200	What is the missing number in this sequence? 282, 293, 304, ____, 326	Roman has to read a book for his book report. He can go out to play when he has read more than 30 pages. He has already read 12 pages. What is the fewest number of pages he could read to be able to play?	Write the missing number to complete the pattern. 125, 250, ____, 500
\$200	Charisse has 1 sibling, Josh has 2 siblings, Sallan has 4 siblings, and Maria has 5 siblings. Mrs. Arnold said that everyone with at least 4 siblings could line up for recess. Who lined up?	Describe the rule in this pattern. 48, 24, 12, 6, 3	Montel had \$10. He bought a book and received \$5.88 in change. Write an equation that represents the cost of the book.
\$200	Describe the rule in this pattern. 10; 100; 1,000; 10,000	There are 89 fourth graders at Rosewood Elementary. 56 of the fourth graders are boys. Write an equation to represent how to find the number of fourth grader girls.	Kayla has 80 stickers. She gives all of the stickers to eight of her friends. Each friend gets the same number of stickers. Write an equation to represent how many stickers each friend will get.

Math Jeopardy

Patterns, Functions, and Algebra

\$300	Joe starts with 12 puzzles. He does three new puzzles each week. Create a pattern that shows the number of puzzles Joe has at the end of a month.	Mrs. Smith has a library card. She already has 15 books checked out for her class. She wants to check out less than 50 books. Write an inequality to represent how many books Mrs. Smith can check out.	Create a pattern that follows the rule, subtract 5.
\$300	Ming's garden has 6 rows of tomato plants. There are 120 tomato plants altogether in her garden. Write an equation that represents this situation.	The auditorium has 15 rows of seats. Each row has the same number of seats. The auditorium has a total of 140 seats. Write an equation that can be used to find the number of seats in each row.	Alejandra reads 25 pages each week night. Create a pattern to show how many pages Alejandra has read at the end of a week.
\$300	Carolyn has \$45. If she spends \$3 each day to ride the subway, write an expression to show how much money she will have after x number of days.	Write the next three numbers in the pattern and describe the rule. 5, 17, 29, 41, __, __, __	Give a real-life example of an increase in one variable causing an increase in another variable.
\$300	On Sunday Bella bought 5 packs of 3 folders. On Monday she bought some more folders. She had less than 23 folders altogether. Write an inequality to express how many folders Bella bought altogether.	Destiny collected 40 stickers. She plans to collect 5 more stickers each week. Write an expression that tells the total number of stickers Destiny will have collected in w weeks.	Chaz has \$10. Heidi has half as much money as Chaz. Write an equation that shows the amount of money Heidi has.

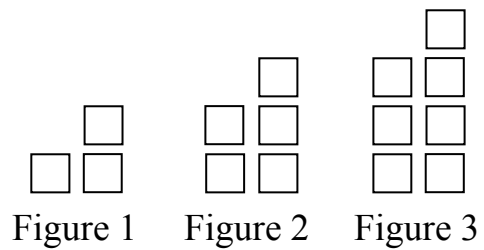
Math Jeopardy

Patterns, Functions and Algebra

\$400

A	B
3	5
7	13
8	15
10	
	23

Fill in the missing numbers and explain the rule for the table.



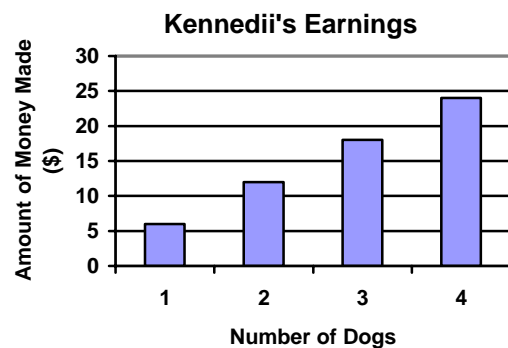
Write a rule that determines the number of tiles in the next two figures.

\$400

Ayan baby-sits to make money. The table below shows how much money she makes per hour. How many hours will she have to baby-sit to make \$72?

Number of Hours	Amount of Money
1	\$8
2	\$16
3	\$24
4	\$32

The graph shows Kennedii's earnings per week while dog walking. Write a statement that describes how Kennedii's total earnings change as the number of dogs walked increases.



Math Jeopardy

Patterns, Functions and Algebra

<div>\$400</div>	<p>Room 19 left a container of water in the sunlight. The table below shows the relationship between the number of days the container sits in the sun and the height of the water.</p> <table><tr><th>Day</th><th>Water Level in Inches</th></tr><tr><td>1</td><td>4 inches</td></tr><tr><td>2</td><td>3 ½ inches</td></tr><tr><td>3</td><td>3 inches</td></tr><tr><td>4</td><td>2 ½ inches</td></tr><tr><td>5</td><td>2 inches</td></tr></table> <p>Write a statement that describes how the water level changes as the number of days changes.</p>	Day	Water Level in Inches	1	4 inches	2	3 ½ inches	3	3 inches	4	2 ½ inches	5	2 inches	<p>What is the number of counters for the next shape in this pattern? Describe the rule.</p> <div><div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div></div></div>
Day	Water Level in Inches													
1	4 inches													
2	3 ½ inches													
3	3 inches													
4	2 ½ inches													
5	2 inches													
<div>\$400</div>	<p>Write an equation that represents, a number multiplied by 3, plus 5, equals 23. What is the number? Explain your thinking.</p>	<p>Tyree is buying pens. The first pen costs \$0.59 and each additional pen costs \$0.42. Create a chart that shows the cost of up to 5 pens.</p>												

Math Jeopardy

Patterns, Functions, and Algebra

<p>\$100</p>	<p>What number does the ♥ represent?</p> $214 = \heartsuit + 166$ <p style="text-align: center;">48</p>	<p>Which whole numbers would make this inequality true?</p> $\square + 2 > 10$ <p style="text-align: center;">Any number 9 or greater will make the inequality true.</p>	<p>Describe the rule in this pattern.</p> <p style="text-align: center;">1, 3, 9, 27, 81</p> <p style="text-align: center;">multiply by 3</p>
<p>\$100</p>	<p>What number does the t represent?</p> $t \div 2 = 12$ <p style="text-align: center;">$t = 24$</p>	<p>Describe the rule in this pattern.</p> <p style="text-align: center;">16, 22, 28, 34, 40</p> <p style="text-align: center;">add 6</p>	<p>What is the value of x?</p> $9 + 6 = x + 5$ <p style="text-align: center;">$x = 10$</p>
<p>\$100</p>	<p>Which whole numbers would make this inequality true?</p> $80 - y > 55$ <p style="text-align: center;">Any number less than 25 will make the inequality true.</p>	<p>What is the value of z?</p> $z + 99 = 143$ <p style="text-align: center;">$z = 44$</p>	<p>What number comes next in the pattern below?</p> <p style="text-align: center;">88, 76, 64, 52, ____</p> <p style="text-align: center;">40</p>
<p>\$100</p>	<p>Name the missing number in this pattern.</p> $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16}, \text{---}$ <p style="text-align: center;">$\frac{1}{32}$</p>	<p>$27 - \diamond = 19$</p> <p>What number is represented by \diamond?</p> <p style="text-align: center;">$\diamond = 8$</p>	<p>What number does ♥ represent?</p> $4\heartsuit = 64$ <p style="text-align: center;">16</p>

Math Jeopardy

Patterns, Functions, and Algebra

<p>\$200</p>	<p>Anisa studied for her math test on Tuesday. She studied again on Wednesday for 45 minutes. Altogether she studied 80 minutes. Write an equation that represents how to determine how many minutes Anisa studied on Tuesday. $t + 45 = 80$ or $80 - 45 = t$</p>	<p>Mr. Hamilton graded 154 papers on Monday. He graded some more papers on Tuesday. Altogether he graded 321 papers. Write an equation to represent how many papers Mr. Hamilton graded on Tuesday. $154 + p = 321$ or $321 - 154 = p$</p>	<p>Describe the rule in this pattern.</p> <p>1, 3, 7, 15, 31</p> <p>Double the number and add 1.</p>
<p>\$200</p>	<p>What is the missing number in this sequence? 282, 293, 304, ____, 326 315</p>	<p>Roman has to read a book for his book report. He can go out to play when he has read more than 30 pages. He has already read 12 pages. What is the fewest number of pages he could read to be able to play? He has to read at least 19 pages.</p>	<p>Write the missing number to complete the pattern.</p> <p>125, 250, ____, 500 375</p>
<p>\$200</p>	<p>Charisse has 1 sibling, Josh has 2 siblings, Sallan has 4 siblings, and Maria has 5 siblings. Mrs. Arnold said that everyone with at least 4 siblings could line up for recess. Who lined up? Sallan and Maria</p>	<p>Describe the rule in this pattern.</p> <p>48, 24, 12, 6, 3</p> <p>The rule is divide by 2.</p>	<p>Montel had \$10. He bought a book and received \$5.88 in change. Write an equation that represents the cost of the book. $\\$10 - c = \\5.88 or $\\$10 - \\$5.88 = c$</p>
<p>\$200</p>	<p>Describe the rule in this pattern.</p> <p>10; 100; 1,000; 10,000 Multiply by 10.</p>	<p>There are 89 fourth graders at Rosewood Elementary. 56 of the fourth graders are boys. Write an equation to represent how to find the number of fourth grader girls. $56 + g = 89$; $89 - 56 = g$</p>	<p>Kayla has 80 stickers. She gives all of the stickers to eight of her friends. Each friend gets the same number of stickers. Write an equation to represent how many stickers each friend will get. $80 \div 8 = s$; $80 \div s = 8$</p>

Math Jeopardy

Patterns, Functions, and Algebra

<p>\$300</p>	<p>Joe starts with 12 puzzles. He does three new puzzles each week. Create a pattern that shows the number of puzzles Joe has at the end of a month.</p> <p>12, 15, 18, 21</p>	<p>Mrs. Smith has a library card. She already has 15 books checked out for her class. She wants to check out less than 50 books. Write an inequality to represent how many books Mrs. Smith can check out.</p> <p>$b + 15 < 50$</p>	<p>Create a pattern that follows the rule, subtract 5.</p> <p>Answers will vary.</p>
<p>\$300</p>	<p>Ming's garden has 6 rows of tomato plants. There are 120 tomato plants altogether in her garden. Write an equation that represents this situation.</p> <p>Answers may include $6t = 120$, $120 \div 6 = t$, $6 \times t = 120$</p>	<p>The auditorium has 15 rows of seats. Each row has the same number of seats. The auditorium has a total of 140 seats. Write an equation that can be used to find the number of seats in each row.</p> <p>$15s = 140$ or $140 \div s = 15$ or $140 \div 15 = s$</p>	<p>Alejandra reads 25 pages each week night. Create a pattern to show how many pages Alejandra has read at the end of a week.</p> <p>25, 50, 75, 100, 125</p>
<p>\$300</p>	<p>Carolyn has \$45. If she spends \$3 each day to ride the subway, write an expression to show how much money she will have after x number of days.</p> <p>$45 - 3x$</p>	<p>Write the next three numbers in the pattern and describe the rule.</p> <p>5, 17, 29, 41, ____, ____, ____</p> <p>53, 65, 77; Add 12.</p>	<p>Give a real-life example of an increase in one variable causing an increase in another variable.</p> <p>Answers will vary. For example: The more hours you work the more money you make. The longer you exercise, the more calories you burn.</p>
<p>\$300</p>	<p>On Sunday Bella bought 5 packs of 3 folders. On Monday she bought some more folders. She had less than 23 folders altogether. Write an inequality to express how many folders Bella bought altogether.</p> <p>$5 \times 3 + f < 23$</p>	<p>Destiny collected 40 stickers. She plans to collect 5 more stickers each week. Write an expression that tells the total number of stickers Destiny will have collected in w weeks.</p> <p>$40 + 5w$</p>	<p>Chaz has \$10. Heidi has half as much money as Chaz. Write an equation that shows the amount of money Heidi has.</p> <p>$10 \div 2 = h$ or $h \times 2 = 10$</p>

Math Jeopardy

Patterns, Functions and Algebra

\$400

A	B
3	5
7	13
8	15
10	
	23

Fill in the missing numbers and explain the rule for the table.

19; 12; The rule is $2A - 1 = B$.

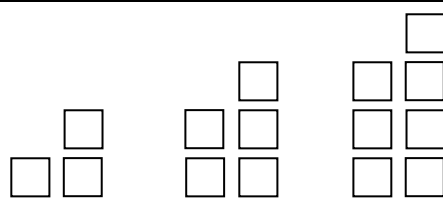


Figure 1

Figure 2

Figure 3

Write a rule that determines the number of tiles in the next two figures.

add 2, 9 and 11

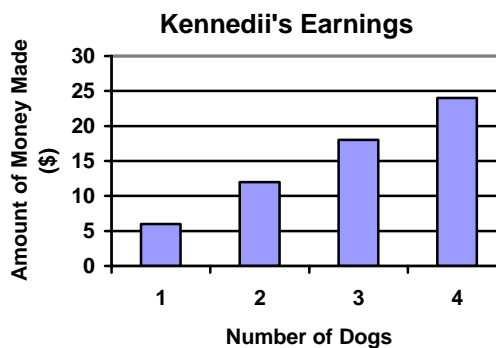
\$400

Ayan baby-sits to make money. The table below shows how much money she makes per hour. How many hours will she have to baby-sit to make \$72?

Number of Hours	Amount of Money
1	\$8
2	\$16
3	\$24
4	\$32

She will have to baby-sit 9 hours. $9 \text{ hours} \times \$8 = \72

The graph shows Kennedii's earnings per week while dog walking. Write a statement that describes how Kennedii's total earnings change as the number of dogs walked increases.



The more dogs Kennedii walks the more money she makes. For each additional dog she earns \$6 more dollars.

Math Jeopardy

Patterns, Functions and Algebra

<div>\$400</div>	<p>Room 19 left a container of water in the sunlight. The table below shows the relationship between the number of days the container sits in the sun and the height of the water.</p> <table><tr><th>Day</th><th>Water Level in Inches</th></tr><tr><td>1</td><td>4 inches</td></tr><tr><td>2</td><td>3 ½ inches</td></tr><tr><td>3</td><td>3 inches</td></tr><tr><td>4</td><td>2 ½ inches</td></tr><tr><td>5</td><td>2 inches</td></tr></table> <p>Write a statement that describes how the water level changes as the number of days changes.</p> <p>As the number of days increases by 1, the water level decreases by ½ an inch.</p>	Day	Water Level in Inches	1	4 inches	2	3 ½ inches	3	3 inches	4	2 ½ inches	5	2 inches	<p>What is the number of counters for the next shape in this pattern? Describe the rule.</p> <div></div> <p>The next shape would have 9 counters. The rule is add 2 (a counter to the top column and a counter to the bottom row).</p>
Day	Water Level in Inches													
1	4 inches													
2	3 ½ inches													
3	3 inches													
4	2 ½ inches													
5	2 inches													
<div>\$400</div>	<p>Write an equation that represents, a number multiplied by 3, plus 5, equals 23. What is the number? Explain your thinking.</p> <p>(▲ × 3) + 5 = 23; ▲ = 6 3n + 5 = 23; n = 6 Explanations will vary.</p>	<p>Tyree is buying pens. The first pen costs \$0.59 and each additional pen costs \$0.42. Create a chart that shows the cost of up to 5 pens.</p> <table><tr><th>Number of Pens</th><th>Cost</th></tr><tr><td>1</td><td>\$0.59</td></tr><tr><td>2</td><td>\$1.01</td></tr><tr><td>3</td><td>\$1.43</td></tr><tr><td>4</td><td>\$1.85</td></tr><tr><td>5</td><td>\$2.27</td></tr></table>	Number of Pens	Cost	1	\$0.59	2	\$1.01	3	\$1.43	4	\$1.85	5	\$2.27
Number of Pens	Cost													
1	\$0.59													
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Math Jeopardy

Data Analysis and Probability

\$100	Find the median of 67, 75, 75, 87, and 92.	Name an event that is certain to happen.	How are a bar graph and a line plot similar?
\$100	Shawn has 4 white socks, 3 black socks, and 4 striped socks in his drawer. What is the probability of Shawn choosing a black sock?	How do you determine the range for a set of data?	True or False: When rolling one number cube labeled 1 through 6, you are most likely to roll a 6 because it is the highest number.
\$100	You have a spinner that is $\frac{1}{4}$ red, $\frac{1}{4}$ blue, $\frac{1}{4}$ yellow, and $\frac{1}{4}$ green. Compare the likelihood of spinning a red and a yellow.	If the symbol on a pictograph represents 10 votes, how much would a symbol and a half represent?	How is the median different from the mode?
\$100	A group of students collected data about their shoe sizes: 4, 3, $3\frac{1}{2}$, 4, 4, $5\frac{1}{2}$, $4\frac{1}{2}$, 3, 2, $4\frac{1}{2}$, 5. What is the mode of the data?	The median number of pets owned by students in Room 9 is 3. What does the median represent?	Tatyana and Deshay are comparing their last five spelling test scores. Deshay's scores have a larger range. What does that mean?

Math Jeopardy

Data Analysis and Probability

\$200	What is the probability of rolling an even number when rolling a number cube labeled 1 through 6?	List all of the possible outcomes when you flip two coins at the same time.	In a survey about the number of pockets students are wearing, the mode is 5. What does this mean?
\$200	Kennedy is making a pictograph that shows how many of her classmates have pets. Twenty of her classmates have dogs. If each symbol equals 4 students, how many symbols does she need to represent the number of students who have dogs?	Willie had a bag of candy. He had 10 gumballs, 8 gumdrops, and 12 chocolates. List the candies in order from least likely to be picked to most likely.	Room 14 made a line plot that showed the number of windows in each student's house. There was a hole in the data from 3 through 5. What does the hole in the data mean?
\$200	You are having a piece of fruit and a drink for snack. You can choose from a banana, an apple, and an orange. You can choose milk, juice, or water. How many possible combinations can you make with a piece of fruit and a drink?	True or False: You can use a tree diagram to compare different quantities.	A box is filled with puppies. Three of the puppies have spotted tongues, four of the puppies have pink tongues, and three of the puppies have black tongues. Express the probability of reaching in and petting a puppy with a pink tongue as a number.
\$200	What is the numerical probability for an event that is impossible?	If you rolled two number cubes at the same time, what is the greatest possible sum?	Name two events that are equally likely.

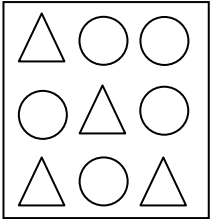
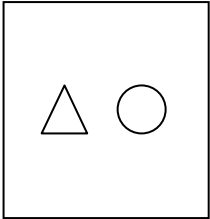
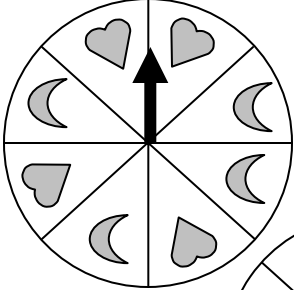
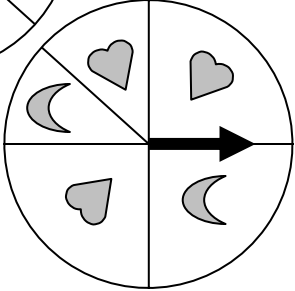
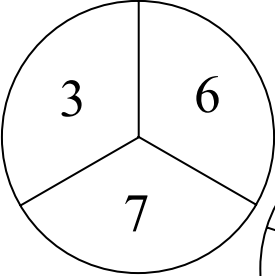
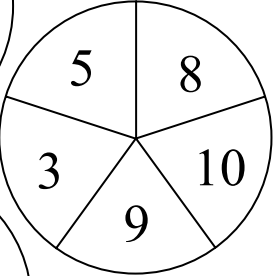
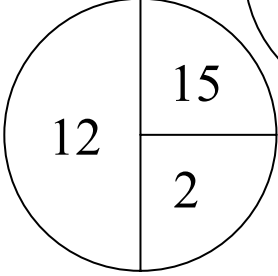
Math Jeopardy

Data Analysis and Probability

\$300	Rhianna surveyed her classmates about their favorite types of books to read. As she is making her bar graph, she discovers she does not have enough room. She does not have any more paper. How can she change her bar graph without changing her data?	Tamera asked her classmates how many pets they owned. The mode was 2. What does the mode mean?	On a Venn diagram, what does the area in the intersection of the circles represent?
\$300	Kayleigh is lining her art supplies up on a shelf. She has markers, paints, colored pencils, and chalk. How many different ways can she line up her supplies?	List all of the possible outcomes when flipping a coin and rolling a number cube labeled 1-6 at the same time.	The median number of students in a class is 22 at Brandon Elementary. What does this mean?
\$300	If each symbol on a pictograph represents 6 people, how many symbols would be needed to represent 45 people?	Jason, Will, Liban, and Mohamed were standing in line. If Jason is always the line leader, how many different ways can the boys stand in line?	Give an example of data you could show on a line graph.
\$300	During the month of April the range of temperatures was 35°. What does the range mean about a set of data?	Express the numerical probability of rolling a number cube and landing on a composite number.	Seven out of ten people caught fish at Sunrise Lake. Nine out of twenty people caught fish at Morning Sun Pond. Where do you have a better chance of catching fish?

Math Jeopardy

Data Analysis and Probability

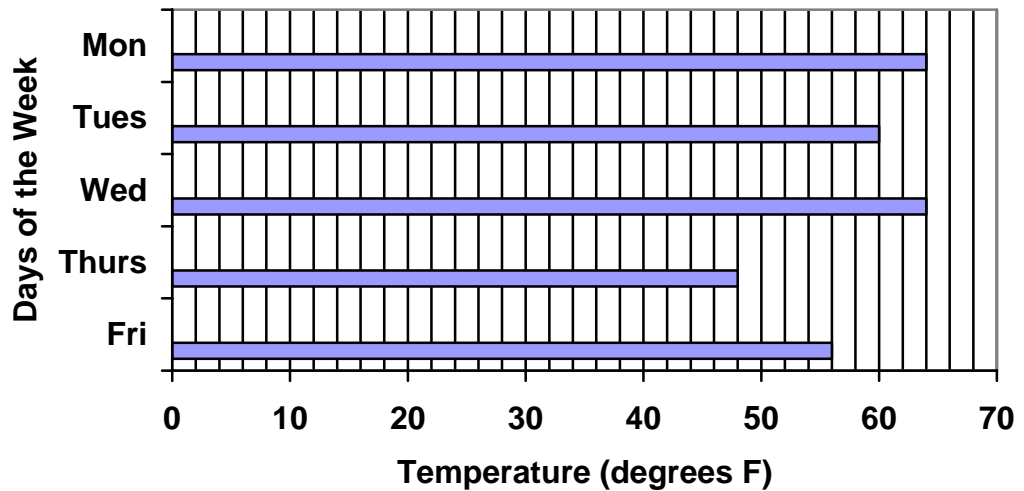
<p style="text-align: center; font-size: 2em;">\$4 0 0</p>	<p style="text-align: center;">Which box gives you the best chance of pulling out a triangle?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Box 1</p> </div> <div style="text-align: center;">  <p>Box 2</p> </div> </div>	<p style="text-align: center;">Which spinner has a probability of $\frac{1}{2}$ for landing on a heart, ♥ ?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>#1</p> </div> <div style="text-align: center;">  <p>#2</p> </div> </div>									
<p style="text-align: center; font-size: 2em;">\$4 0 0</p>	<p style="text-align: center;">On which spinner are you most likely to spin a prime number?</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="text-align: center;"> <p>#1</p>  </div> <div style="text-align: center;"> <p>#2</p>  </div> </div> <div style="text-align: center; margin-top: 20px;">  <p>#3</p> </div> </div>	<p style="text-align: center;">The Sandwich Shack is letting people create their own combo meals. You may choose one main dish, one side dish, and one drink. The choices are listed in the table below.</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th>Main Dish</th><th>Side Dish</th><th>Drink</th></tr> </thead> <tbody> <tr> <td>Hamburger</td><td>Fries</td><td>Soda</td></tr> <tr> <td>Fish</td><td>Salad</td><td>Juice</td></tr> </tbody> </table> <p style="text-align: center; margin-top: 20px;">Show all of the different combo meals you can create using one main dish, one side dish, and one drink.</p>	Main Dish	Side Dish	Drink	Hamburger	Fries	Soda	Fish	Salad	Juice
Main Dish	Side Dish	Drink									
Hamburger	Fries	Soda									
Fish	Salad	Juice									

Math Jeopardy

Data Analysis and Probability

Use the graph below. Which piece of data is higher—the median or the mode?

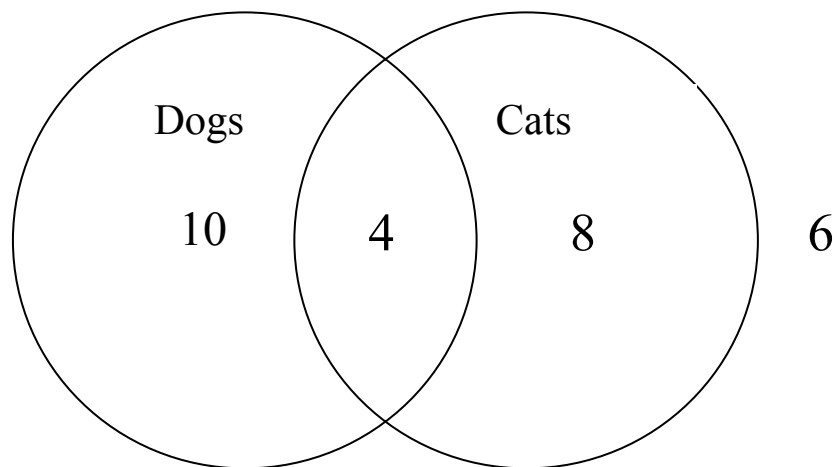
Daily High Temperatures



\$4
0
0

Write two true statements about the information in the Venn diagram below.

Pets of Room 19



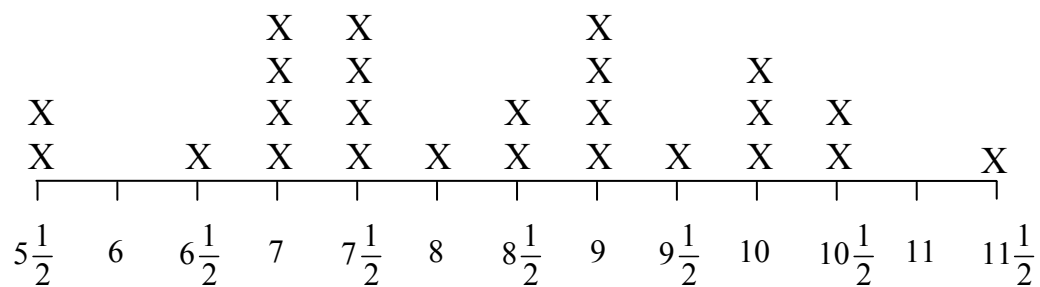
\$4
0
0

Math Jeopardy
Data Analysis and Probability

\$4
0
0

The fourth graders in Room 19 collected data about how many hours they each slept on Monday night. They discovered the median was 9 hours. Room 18 also collected data. Their data are shown in the line plot below.

Room 18's Sleep Data



Amount of Sleep (in hours)














How does the median of Room 19's sleep data compare to the median of Room 18's sleep data?


Math Jeopardy
Data Analysis and Probability

\$4
0
0

The fourth graders are ordering new math notebooks. They recorded the colors of notebooks they wanted. The principal orders the three absent students red notebooks. How many notebooks does the principal need to order in all?

Notebook Order

Color of Notebook	Number of Students
Red	  
Yellow	  
Green	  
Blue	   

Key:  = 6 students

Math Jeopardy

Data Analysis and Probability

<p>\$100</p>	<p>Find the median of 67, 75, 75, 87, and 92.</p> <p style="text-align: center;">75</p>	<p>Name an event that is certain to happen.</p> <p style="text-align: center;">Answers will vary.</p>	<p>How are a bar graph and a line plot similar?</p> <p style="text-align: center;">Answers will vary.</p>
<p>\$100</p>	<p>Shawn has 4 white socks, 3 black socks, and 4 striped socks in his drawer. What is the probability of Shawn choosing a black sock?</p> <p style="text-align: center;">3 out of 11</p>	<p>How do you determine the range for a set of data?</p> <p style="text-align: center;">Find the difference between the greatest number and the smallest number.</p>	<p>True or False: When rolling one number cube labeled 1 through 6, you are most likely to roll a 6 because it is the highest number.</p> <p style="text-align: center;">False</p>
<p>\$100</p>	<p>You have a spinner that is $\frac{1}{4}$ red, $\frac{1}{4}$ blue, $\frac{1}{4}$ yellow, and $\frac{1}{4}$ green. Compare the likelihood of spinning red and yellow.</p> <p style="text-align: center;">The likelihood of spinning red and yellow is equally likely.</p>	<p>If the symbol on a pictograph represents 10 votes, how much would a symbol and a half represent?</p> <p style="text-align: center;">15 votes</p>	<p>How is the median different from the mode?</p> <p style="text-align: center;">The median is the middle value for a set of data; the mode is the piece of data that appears the most.</p>
<p>\$100</p>	<p>A group of students collected data about their shoe sizes: 4, 3, $3\frac{1}{2}$, 4, 4, $5\frac{1}{2}$, $4\frac{1}{2}$, 3, 2, $4\frac{1}{2}$, 5. What is the mode of the data?</p> <p style="text-align: center;">4</p>	<p>The median number of pets owned by students in Room 9 is 3. What does the median represent?</p> <p style="text-align: center;">The median is the middle value. Half of the class has 3 pets or less; half of the class has 3 pets or more.</p>	<p>Tatyana and Deshay are comparing their last five spelling test scores. Deshay's scores have a larger range. What does that mean?</p> <p style="text-align: center;">Deshay's scores are more than spread out than Tatyana's scores.</p>

Math Jeopardy

Data Analysis and Probability

\$200	<p>What is the probability of rolling an even number when rolling a number cube labeled 1 through 6?</p> <p style="text-align: center;">3 out of 6</p>	<p>List all of the possible outcomes when you flip two coins at the same time.</p> <p>heads-heads; heads-tails; tails-tails; tails-heads</p>	<p>In a survey about the number of pockets students are wearing, the mode is 5. What does this mean?</p> <p>The greatest number of students are wearing five pockets.</p>
\$200	<p>Kennedy is making a pictograph that shows how many of her classmates have pets. Twenty of her classmates have dogs. If each symbol equals 4 students, how many symbols does she need to represent the number of students who have dogs?</p> <p style="text-align: center;">5</p>	<p>Willie had a bag of candy. He had 10 gumballs, 8 gumdrops, and 12 chocolates. List the candies in order from least likely to be picked to most likely.</p> <p>gumdrops, gumballs, chocolates</p>	<p>Room 14 made a line plot that showed the number of windows in each student's house. There was a hole in the data from 3 through 5. What does the hole in the data mean?</p> <p>No one responded with 3, 4, or 5 windows.</p>
\$200	<p>You are having a piece of fruit and a drink for snack. You can choose from a banana, an apple, and an orange. You can choose milk, juice, or water. How many possible combinations can you make with a piece of fruit and a drink?</p> <p style="text-align: center;">9</p>	<p>True or False: You can use a tree diagram to compare different quantities.</p> <p style="text-align: center;">False</p>	<p>A box is filled with puppies. Three of the puppies have spotted tongues, four of the puppies have pink tongues, and three of the puppies have black tongues. Express the probability of reaching in and petting a puppy with a pink tongue as a number.</p> <p style="text-align: center;">four out of 10</p>
\$200	<p>What is the numerical probability for an event that is impossible?</p> <p style="text-align: center;">0</p>	<p>If you rolled two number cubes at the same time, what is the greatest possible sum?</p> <p style="text-align: center;">12</p>	<p>Name two events that are equally likely.</p> <p>Answers will vary.</p>

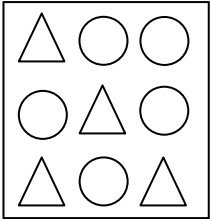
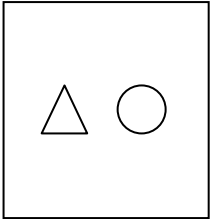
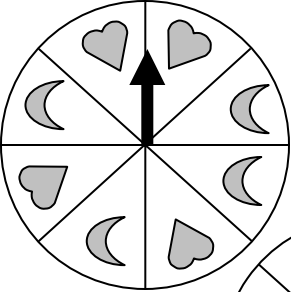
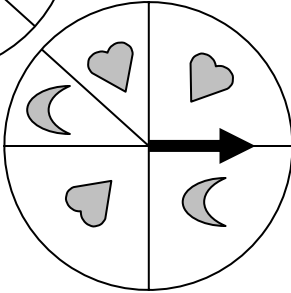
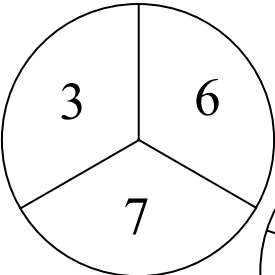
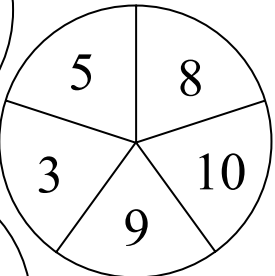
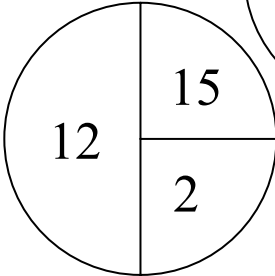
Math Jeopardy

Data Analysis and Probability

<p>\$300</p>	<p>Rhianna surveyed her classmates about their favorite types of books to read. As she is making her bar graph, she discovers she does not have enough room. She does not have any more paper. How can she change her bar graph without changing her data?</p> <p>She can change the scale.</p>	<p>Tamera asked her classmates how many pets they owned. The mode was 2. What does the mode mean?</p> <p>The mode is the piece of data that appears the most.</p>	<p>On a Venn diagram, what does the area in the intersection of the circles represent?</p> <p>The area in the intersection represents items that share the characteristics of each circle.</p>
<p>\$300</p>	<p>Kayleigh is lining her art supplies up on a shelf. She has markers, colored pencils, paints, and chalk. How many different ways can she line up her supplies?</p> <p>16</p>	<p>List all of the possible outcomes when flipping a coin and rolling a number cube labeled 1-6 at the same time.</p> <p>1 and heads; 1 and tails; 2 and heads; 2 and tails; 3 and heads; 3 and tails; 4 and heads; 4 and tails; 5 and heads; 5 and tails; 6 and heads; 6 and tails</p>	<p>The median number of students in a class is 22 at Brandon Elementary. What does this mean?</p> <p>The median is the middle value of a set of data. Half of the classes have 22 or less students. Half of the classes have 22 or more students.</p>
<p>\$300</p>	<p>If each symbol on a pictograph represents 6 people, how many symbols would be needed to represent 45 people?</p> <p>7½</p>	<p>Jason, Will, Liban, and Mohamed were standing in line. If Jason is always the line leader, how many different ways can the boys stand in line?</p> <p>6</p>	<p>Give an example of data you could show on a line graph.</p> <p>Answers will vary, but should include data that shows a change over time.</p>
<p>\$300</p>	<p>During the month of April the range of temperatures was 35°. What does the range mean about a set of data?</p> <p>The range is the spread of the data. The range is the difference between the highest and the lowest values in a set of data.</p>	<p>Express the numerical probability of rolling a number cube and landing on a composite number.</p> <p>two out of six</p>	<p>Seven out of ten people caught fish at Sunrise Lake. Nine out of twenty people caught fish at Morning Sun Pond. Where do you have a better chance of catching fish?</p> <p>Sunrise Lake</p>

Math Jeopardy

Data Analysis and Probability

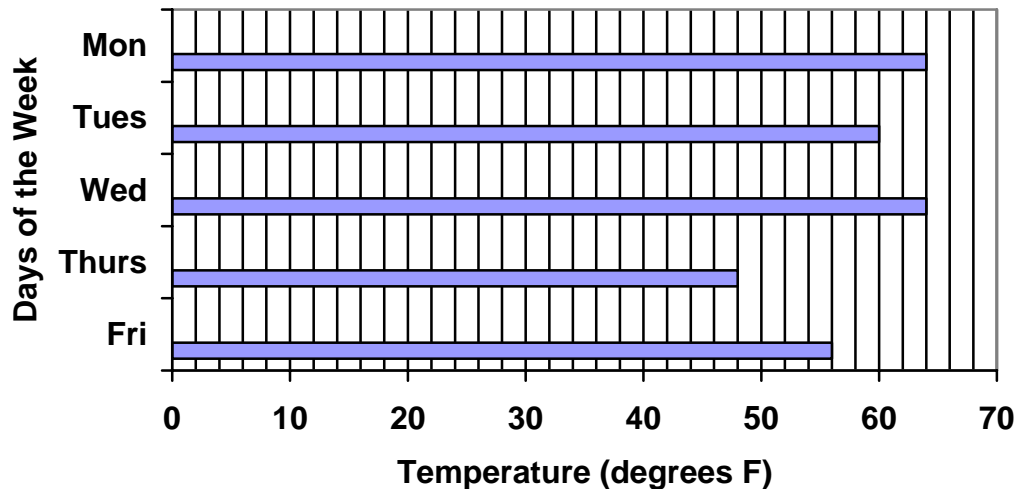
<p style="text-align: center; font-size: 2em;">\$4 0 0</p>	<p style="text-align: center;">Which box gives you the best chance of pulling out a triangle?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 10px; text-align: center;">  </div> <div style="border: 1px solid black; padding: 10px; text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> Box 1 Box 2 </div> <p style="text-align: center; font-size: 1.5em;">Box 2</p>	<p style="text-align: center;">Which spinner has a probability of $\frac{1}{2}$ for landing on a heart, ♥ ?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>#1</p> </div> <div style="text-align: center;">  <p>#2</p> </div> </div> <p style="text-align: center; font-size: 1.5em;">Spinner #2</p>									
<p style="text-align: center; font-size: 2em;">\$4 0 0</p>	<p style="text-align: center;">On which spinner are you most likely to spin a prime number?</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="text-align: center; margin-bottom: 20px;">  <p>#1</p> </div> <div style="text-align: center; margin-bottom: 20px;">  <p>#2</p> </div> <div style="text-align: center;">  <p>#3</p> </div> </div> <p style="text-align: center; font-size: 1.5em;">Spinner #1</p>	<p>The Sandwich Shack is letting people create their own combo meals. You may choose one main dish, one side dish, and one drink. The choices are listed in the table below.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #d3d3d3;"> <th style="padding: 5px;">Main Dish</th><th style="padding: 5px;">Side Dish</th><th style="padding: 5px;">Drink</th></tr> </thead> <tbody> <tr> <td style="padding: 5px;">Hamburger</td><td style="padding: 5px;">Fries</td><td style="padding: 5px;">Soda</td></tr> <tr> <td style="padding: 5px;">Fish</td><td style="padding: 5px;">Salad</td><td style="padding: 5px;">Juice</td></tr> </tbody> </table> <p>Show all of the different combo meals you can create using one main dish, one side dish, and one drink.</p> <p> hamburger, fries, soda; hamburger, fries, juice; hamburger, salad, soda; hamburger, salad, juice; fish, fries, soda; fish, fries, juice; fish, salad, soda; fish, salad, juice </p>	Main Dish	Side Dish	Drink	Hamburger	Fries	Soda	Fish	Salad	Juice
Main Dish	Side Dish	Drink									
Hamburger	Fries	Soda									
Fish	Salad	Juice									

Math Jeopardy

Data Analysis and Probability

Use the graph below. Which piece of data is higher—the median or the mode?

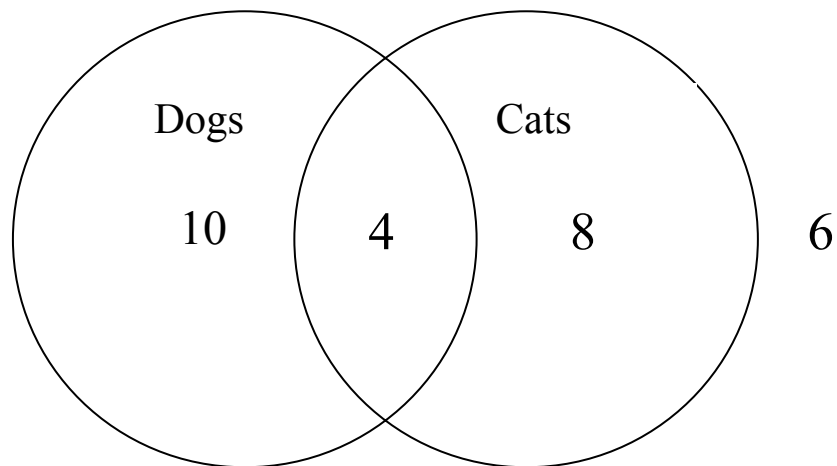
Daily High Temperatures



The median is 60°F, and the mode is 64°F. The mode is greater.

Write two true statements about the information in the Venn diagram below.

Pets of Room 19



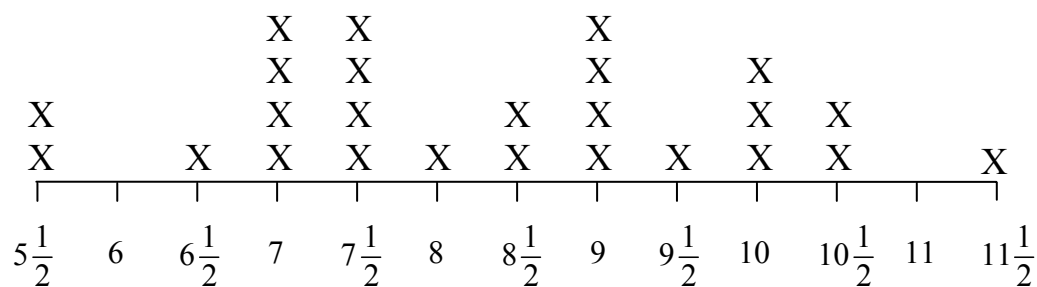
Answers will vary.

Math Jeopardy
Data Analysis and Probability

\$4
0
0

The fourth graders in Room 19 collected data about how many hours they each slept on Monday night. They discovered the median was 9 hours. Room 18 also collected data. Their data are shown in the line plot below.

Room 18's Sleep Data



Amount of Sleep (in hours)

How does the median of Room 19's sleep data compare to the median of Room 18's sleep data?














The median of Room 18's sleep data is $8\frac{1}{2}$ hours. The median of Room 19's sleep data is 9 hours. Room 19 has a greater median.


Math Jeopardy
Data Analysis and Probability

\$4
0
0

The fourth graders are ordering new math notebooks. They recorded the colors of notebooks they wanted. The principal orders the three absent students red notebooks. How many notebooks does the principal need to order in all?

Notebook Order

Color of Notebook	Number of Students
Red	  
Yellow	  
Green	  
Blue	   

Key:  = 6 students

The principal needs to order 81 notebooks in all. She needs to order 78 notebooks for the students who were present (13 symbols, each representing 6 students) and three additional notebooks for the absent students.

$78 + 3 = 81$ notebooks