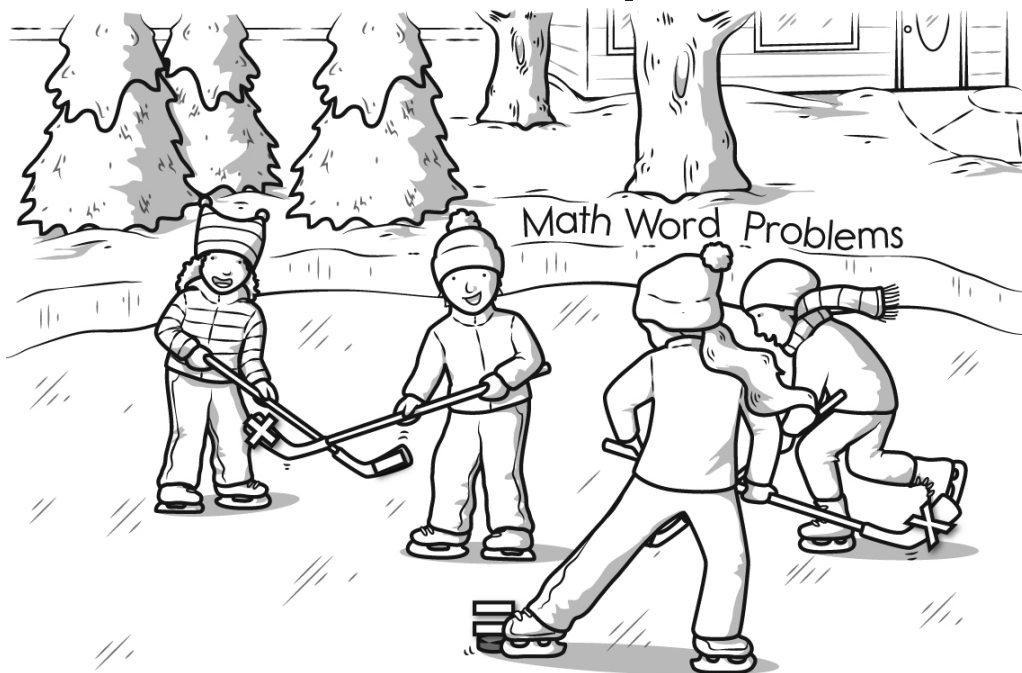


MONTHLY MATH CHALLENGE

Homework

February



My Name: _____

Do all of these,
but skip 2 pages:

- | | | | |
|---------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> page 1 | <input type="checkbox"/> page 10 | <input type="checkbox"/> page 22 | <input type="checkbox"/> page 34 |
| <input type="checkbox"/> page 2 | <input type="checkbox"/> page 11 | <input type="checkbox"/> page 23 | <input type="checkbox"/> page 35 |
| <input type="checkbox"/> page 3 | <input type="checkbox"/> page 12 | <input type="checkbox"/> page 24 | |
| <input type="checkbox"/> page 4 | <input type="checkbox"/> page 13 | <input type="checkbox"/> page 25 | |
| <input type="checkbox"/> page 5 | <input type="checkbox"/> page 14 | <input type="checkbox"/> page 26 | |
| <input type="checkbox"/> page 6 | <input type="checkbox"/> page 15 | <input type="checkbox"/> page 27 | |
| <input type="checkbox"/> page 7 | <input type="checkbox"/> page 16 | <input type="checkbox"/> page 28 | |
| <input type="checkbox"/> page 8 | <input type="checkbox"/> page 17 | <input type="checkbox"/> page 29 | |
| <input type="checkbox"/> page 9 | <input type="checkbox"/> page 18 | <input type="checkbox"/> page 30 | |
| | <input type="checkbox"/> page 19 | <input type="checkbox"/> page 31 | |
| | <input type="checkbox"/> page 20 | <input type="checkbox"/> page 32 | |
| | <input type="checkbox"/> page 21 | <input type="checkbox"/> page 33 | |

Find a helper.

He/she helped by checking my work.

Hand in by February 28.

Feel free to hand in early!



Name: _____

Can you get
three in a row?



In a Row

Bakery and Mini Games

Score Keeper

Can you get
four in a row?!



Name: _____

Day played:

Score:

On your computer:

edHelper.com/math-games.htm



Put a star
next to your
best score.

Can you draw the
In a Row robot?



How did you do playing the **In a Row** game?

Rate your performance!



Great
work!



End of month score:

edHelper.com/math-games.htm

Name: _____

Robert loves art. He doesn't like to draw or paint. He likes to tape stuff together, and he LOVES to use scissors.

"I am what's known as an artissor. It's a fine distinction that is much preferred over mere artists," Robert says to try to annoy Holly.

"That's not a thing! I'm telling," cries Holly.

Miss Keknew couldn't help herself. "Yes, that's not really a real thing."

"It is!" Robert said, as he cut and made 24 squares of paper. Each piece was so tiny, only 2 cm on each side.

"I will now make a rectangle by arranging these pieces of paper together, without overlapping. But not just any rectangle; this will be the biggest possible rectangle by perimeter that is possible using these 24 pieces of paper."

If Robert does what he says, what is the perimeter of the rectangle he makes?

And by the way, if you showed a picture of it, that would be cool, too!

Name: _____

Coach Dave is proud of his hockey team. They had a great season and only lost in the finals to a really good team. He wants to give his best player an MVP trophy. Only 4 players scored during the season.

Jack played 15 games, scored 12 goals, had 6 assists, and spent 22 minutes in the penalty box.

Bob played 13 games, scored 8 goals, had 10 assists, and spent 10 minutes in the penalty box.

Arnold played 16 games, scored 2 goals, had 20 assists, and spent 43 minutes in the penalty box.

Anna played 14 games, scored 3 goals, had 9 assists, and spent 18 minutes in the penalty box. She was the only girl on the team.

Based only on the data, who should get the trophy? Show how you decided.

Jack's dad said, "I think Charlie is probably our MVP."

Charlie did not score this season. How could he possibly be the most valuable player?

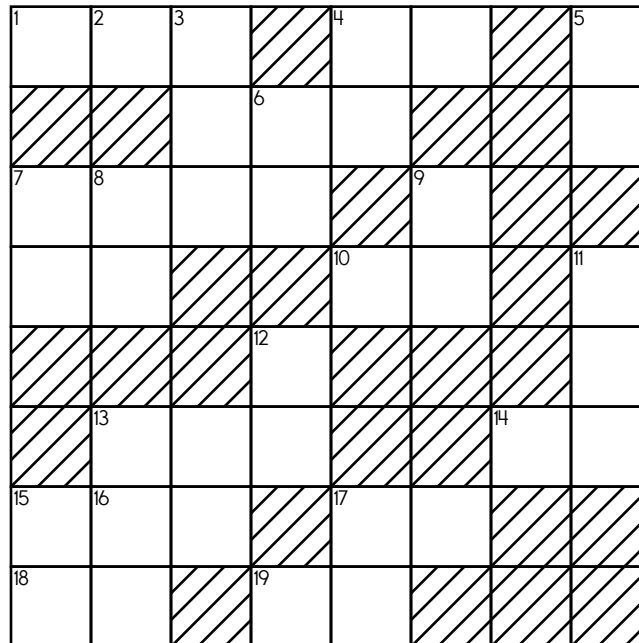
Name: _____

ACROSS

4. Five more than 10-Across
6. Six less than 19-Across
10. Six times 8-Down
12. Four more than 2-Down
13. 10-Across plus 17-Across
14. One less than 4-Down
16. 8-Down plus 10-Across
17. **Nickels in four dollars**
18. One-third of 6-Across
19. Five less than 17-Across

DOWN

1. One-eighth of 5-Down
2. One-fifth of 8-Down
3. 19-Across plus 6-Across
4. Two less than 7-Down
5. Two more than 16-Across
6. Three less than 6-Across
7. Nine less than 17-Across
8. One-eighth of 17-Across
9. Three times 8-Down
11. Four more than 3-Down
15. Six more than 6-Down



Ava and April are playing a number game.
 Ava says 48. April replies that the answer is 6.
 Ava says 64. April replies that the answer is 8.
 Ava says 16. April replies that the answer is 2.
 Ava says 128. April replies that the answer is 16.
 Ava says 40. April is thinking. What number should April reply with?

$$\begin{array}{r} 32 \\ - 15 \\ \hline \end{array}$$

$$60 \div 6 =$$

$$\begin{array}{r} 25 \\ + 22 \\ \hline \end{array}$$



Name: _____

Complete each pattern. Write what the rule is. HINT: The first three numbers in each pattern are random numbers.

12.5, 25.1, 6.5, 44.1, 75.7, 126.3, 246.1,
 448.1, 820.5, 1514.7, 2783.3, _____, _____

2.5, 7.1, 9.4, 19, 35.5, 63.9, 118.4,
 217.8, 400.1, 736.3, 1354.2, _____, _____

Complete each pattern. Write what the rule is.

153	136	119
102		68
51	34	

Name: _____

What number multiplied by -12 results in a product of -48?

Write the number that when multiplied by 7 is -49.

$$\begin{array}{r} 740 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 198 \\ \times 40 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ \times 3 \\ \hline \end{array}$$

The diameter of a circle is 1,262 cm. What is the radius of this circle?

It was 8 degrees above zero in the morning. By afternoon the temperature rose 15 degrees. How warm was it?

How many centimeters in 5.8 meters?

1 kg = 1,000 g

8 kg = _____ g

$$7 \times 8 =$$

Rose rolls a die. What is the chance of her rolling a 1?

Name: _____

Circle all of the numbers that are greater than 6.9.

$$\frac{38}{6}$$

$$\frac{36}{6}$$

$$\frac{13}{2}$$

$$6\frac{3}{4}$$

$$\frac{29}{4}$$

$$\frac{33}{5}$$

$$\frac{18}{2}$$

$$\frac{152}{24}$$

$$6\frac{1}{3}$$

$$\frac{34}{5}$$

$$\frac{104}{16}$$

$$\frac{42}{6}$$

6.170

6.0160

6.10

6.015

Round the decimal 0.475 to the nearest hundredth.

Round 84,290 to the nearest hundred.

35, 42, 49, 56, 63,
_____, 77, 84

Circle the three numbers whose product equals 770.

7 6 10

11 7 7

H, M, J, P, L, _____,
N, V, P, Y

Round 7,505 to the nearest thousand.

☐

I did page 8

☐I decided to skip this page
edHelper

Name: _____

On the collectibles feed it said that 2000 called and asked for their collectible mini zappers back. But Hannah and Wendy ignored the calls. They love collecting these. Hannah has $5q$ of them. Wendy doesn't have any, so Hannah gave her half of hers. How many mini zappers does Wendy now have?

Jessica has 13 sweaters and 6 dresses. How many pieces of clothing does Jessica have?

Erin has 13 sweaters and t dresses. How many pieces of clothing does Erin have?

If t is equal to nine, then who has more pieces of clothing?

Maria has a total of $x + 2$ pieces of clothing. If x were 20, then Maria would have $20 + 2 = 22$ pieces of clothing. But x is not 20. It is fifteen. How many pieces of clothing does Maria have?

On the planet Zoroo it costs B dollars for a Zoomer. A Zoomer is a type of car. This month, Maria sold 96 Zoomers. How much money did Maria get?

Jason likes to collect dimes. He doesn't like nickels, quarters, and certainly not pennies. Only dimes! He has v dimes older than 1987. He also has 1,793 dimes minted from 1987 until 2008. This month he added 39 dimes older than 1987 and 172 dimes from 1987 until 2008. How many dimes for each group of years does Jason have now?

Amy has t squishies. She gave 5 squishies to Erin. How many squishies does Amy have left?

Name: _____

April likes to write in code. In her notebook she wrote that the password to play her favorite game is $\frac{7q}{9}$.

If you know that the value of q is 45, then what is the password?

Jenna has a lot of money. She has $27t$ dollars. Amanda only has 14 dollars. How much more money does Jenna have? Well, it's $(27t - 14)$ if you need to know!

Pam has 81 dollars. Would you believe that Jenna still has more money than Pam? How much more money does Jenna have than Pam?

The secret code is:

$$2m + \frac{8m}{7}$$

$$m = 7$$

What is the secret code?

Emily went to the store to get a new phone because her phone broke. Don't ask how! Let's just say water was involved. She has t dollars that she hopes is enough to buy a replacement phone. After she gives the cashier her t dollars, the cashier says that is too much. She was given \$20 back. How much did the phone cost?

☐

I did page 10

☐I decided to skip this page
edHelper**Name:** _____

Coach Dave is proud of his hockey team. They had a great season and only lost in the finals to a really good team.

Coach Dave wants to give his best player a trophy. Only 4 players scored during the season.

Jack played 15 games, scored 12 goals, had 6 assists, and spent 22 minutes in the penalty box.

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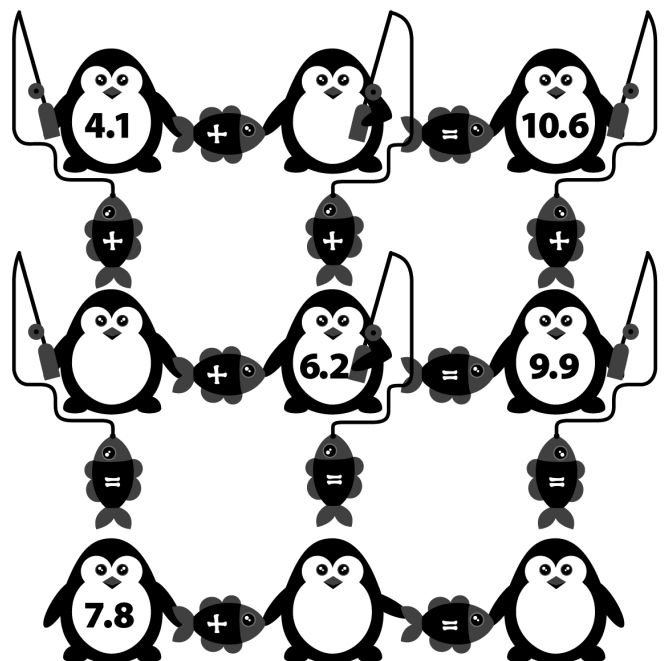
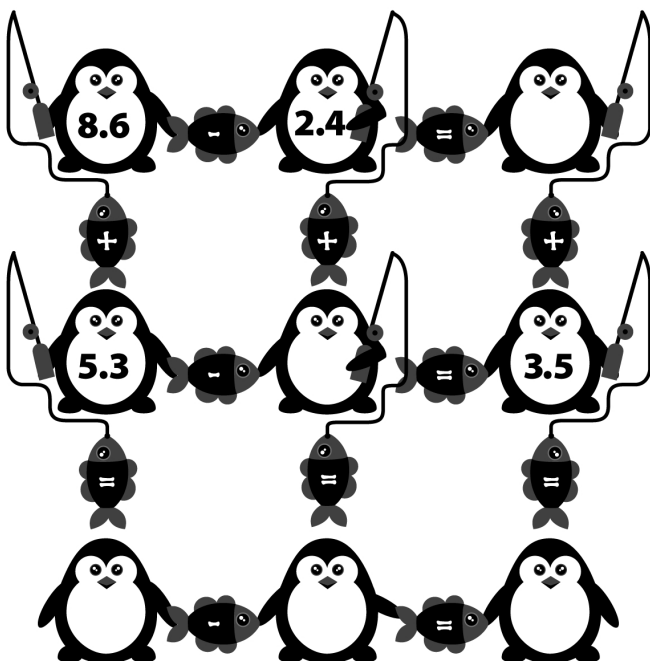
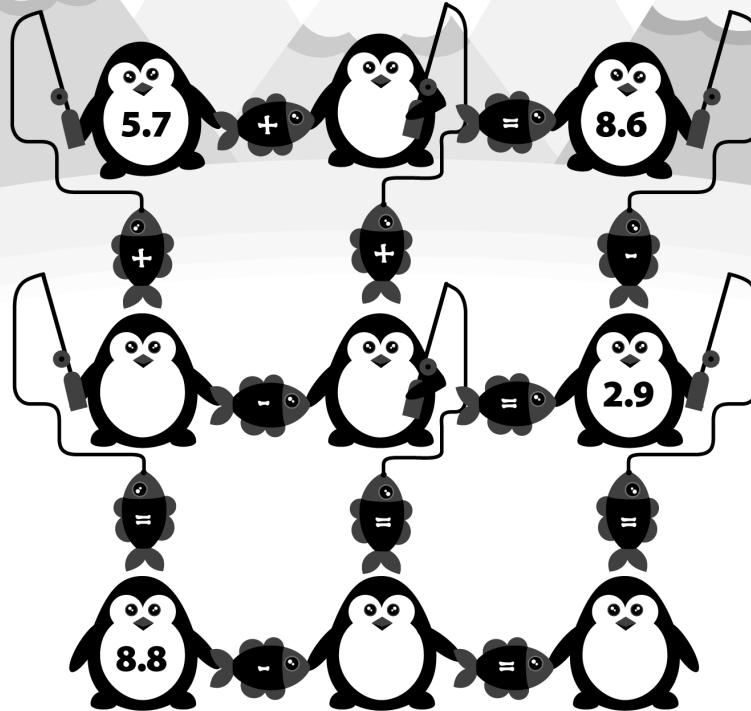
She was the only girl on the team.

Help Coach Dave decide who most deserves the trophy. What would you say to Coach Dave?

Show your work.

Name: _____

PENGUIN PARTY

Directions: Write down the missing decimal numbers.

Name: _____

Amanda lives in Antananarivo where it is currently Sat. at 8:15 p.m. She made a phone call to Megan who lives in Seoul. It is 2:15 a.m. and Sun. in Seoul. What is the difference in time?

Wendy thinks she has a headache, at least after trying to figure out the unknown number from the clues. All she was given is that when 20 is subtracted from the unknown number and then she divides that by 2, it gives the same value as when 51 is subtracted from the unknown number. What is the unknown number?

Rose is riding her bike and Wendy is riding a scooter around the block. They both started riding at exactly 2:26. Gavin is lazy. He is just sitting on the porch watching Rose pass by every 6 minutes and Wendy pass by every 9 minutes. At what time will Gavin see them pass by at the same time?

Name: _____

Jacob and Jenna started a band. Jenna plays the harp and Jacob the piano. Sometimes Hannah comes to sing, and today is one of those times. In fact, they invited everyone from their school to the show.

It was a hit! They could barely fit everyone in the garage.

Hunter let everyone in at the door. The garage door, that is! Of course, he didn't do very well counting.

"I know there were definitely more girls than boys. I'd say about 10 more girls than boys,"

Hunter pointed out. "Seems like for every 3 boys there were 5 girls."

"Wow," said Hannah. "So, um, what was the total attendance?"

Let's just assume Hunter's numbers are correct as suspect as that may be ;-). Answer Hannah's question.

Show your work.

Name: _____

$$8.2207 \times 10^2 =$$

$$|-14| + f = 20$$

$$f =$$

Simplify.

$$\frac{16,000}{24,000} =$$

$$29 \frac{1}{6}, 28 \frac{23}{30}, 26 \frac{14}{15},$$

$$26 \frac{8}{15}, 24 \frac{7}{10}, 24 \frac{3}{10},$$

$$22 \frac{7}{15}, 22 \frac{1}{15}, 20 \frac{7}{30},$$

$$19 \frac{5}{6}, \text{ ————— }, 17 \frac{3}{5}$$

What is the greatest common factor of the numbers 96 and 108?

What is the area of a rectangle with a length of 48 centimeters and a width that is $\frac{1}{4}$ the length?

$$0.6 \cdot 4 =$$

Simplify.

$$\frac{152}{342} =$$

If $t = 8$ and $w = -29$ then what is $12t - 9w - 3w = ?$

$$(5,764,801), (823,543),$$

$$(117,649), \text{ ————— },$$

$$(2,401), (343), (49),$$

$$(7), (1), \frac{1}{7}$$

Rewrite as an algebraic expression or equation.

Add 22 to the product of 6 and t

The unknown value x is a multiple of 5, is greater than 227, and it is divisible by 17. What can be the lowest possible value of x ?

Name: _____

$$7 - 4 + 7 \times 7 + 5$$

$$24 \div 4 + 1$$

$$9 \times 9 \times 9 \times 9 \times 9 = Z^y$$

What is the value of Z
and y?

The letter V has an unknown value. If you multiply V by twelve, the product is four. What value does V have?

$$7 \times (39 \div 3) - 28 \div 7 =$$

$$0.9 (0.6 (0.9 \times 7)) =$$

6, 8, 10, _____, 14, 16

$$y = x + 16$$

$$y = 24$$

What is the value of x?

Rewrite $\frac{9}{100}$ as a decimal.

Each side of a regular pentagon is 34.3 centimeters. What is the perimeter?

$$8 \times 8 = x^2$$

What is the value of x?

If $a = 9$ and $b = 60.8$,
then
 $3a + b - a =$

$$\frac{4}{5} \times \frac{3}{5}$$

$$7 \times 60 \div 5 - 77 \div 7 =$$

Circle the greatest amount:

12%

0.21

$\frac{6}{25}$

☐

I did page 16

☐I decided to skip this page
edHelper**Name:** _____

"It's called the phone challenge, and you can make big bucks!" Emily's mom said.

It sounded cheesy to Emily. But she decided to play along. "Yeah, mom," she said to try to sound disinterested. She had better things to do. Like play on her phone!

"Well, if you give up your phone, I will give you \$1.25," Emily's mom added.

"Not gonna happen," Emily quickly replied.

"I'm not done yet, Emily," her mom added. "For each day you don't play I will add a quarter. So in a week you will get \$2.75 for the day and have a total of \$14."

This got Emily's attention. She is trying to save up for a car. After all, she will be able to drive in only, say, 5 or 6 more years.

If she gives up her phone, how much will she have, in total, after 4 weeks?

Show your work.

Name: _____

Draw a line from START to END.

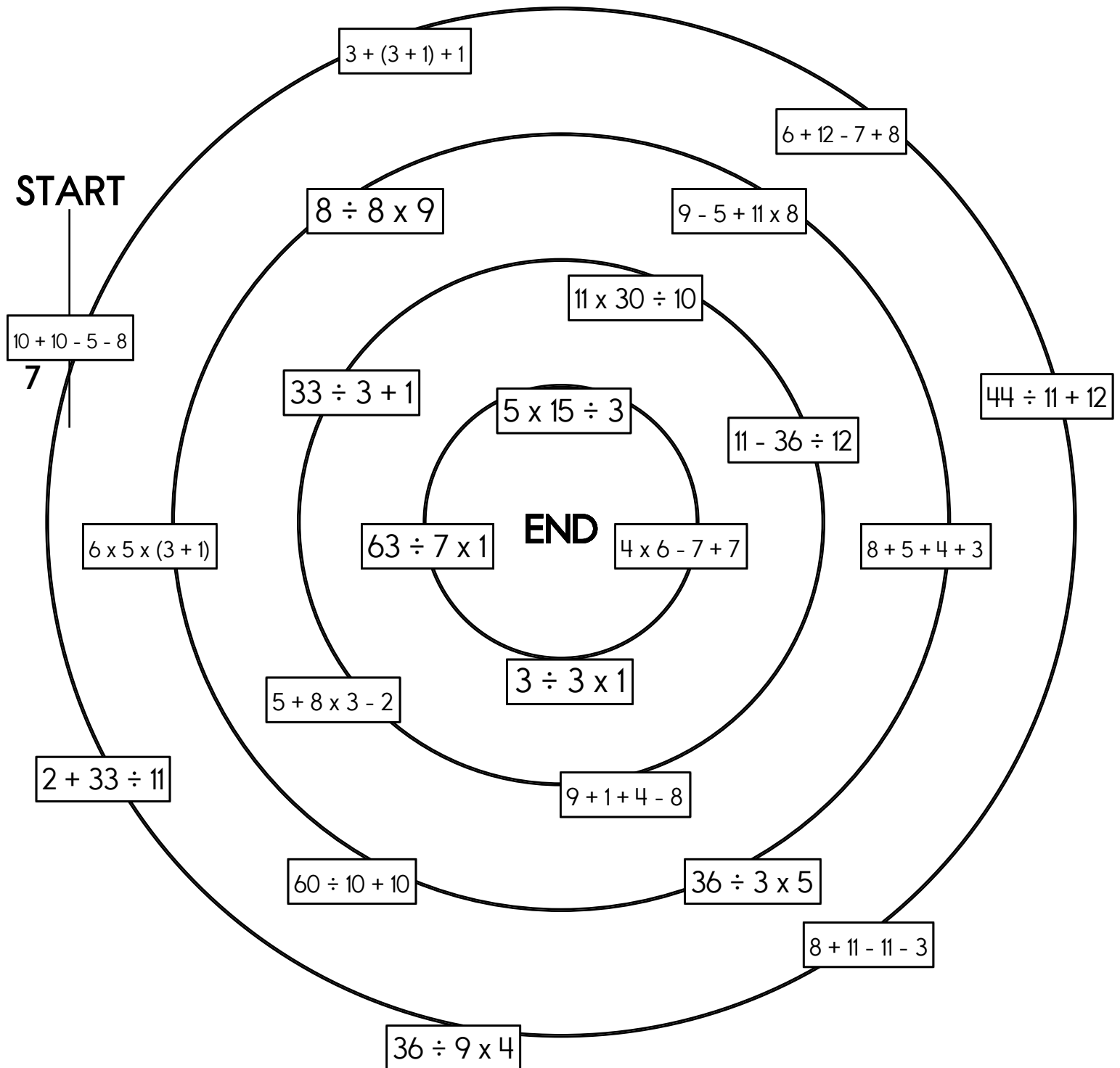
27

60

25

~~7~~

Cross out the number you use above and then write it below.



Name: _____

$$16 - \frac{2}{5} - \frac{1}{3} =$$

Write the reciprocal.

$$\frac{1}{2}$$

Write the reciprocal.

$$17$$

$$\begin{array}{r} 4\frac{2}{9} \\ - 1\frac{4}{9} \\ \hline \end{array}$$

$$\frac{1}{6} \times \frac{1}{2} =$$

$$\frac{7}{8} \times \frac{2}{3} =$$

Reduce each fraction to a mixed numeral in its lowest terms.

$$\frac{4}{16} =$$

$$\frac{72}{16} =$$

$$\frac{63}{12} =$$

$$\frac{70}{10} =$$

$$\frac{63}{28} =$$

$$\frac{116}{14} =$$

$$\frac{63}{28} =$$

$$\frac{1}{3} \div 8 =$$

$$\begin{array}{r} 6\frac{4}{7} \\ 8\frac{1}{7} \\ + 3\frac{1}{7} \\ \hline \end{array}$$

Write the reciprocal.

$$\frac{2}{7}$$

$$4 + \frac{1}{2} + \frac{1}{3} =$$

$$20 - \frac{3}{8} =$$

Name: _____

One large can of jelly beans has 6 times the number of jelly beans in it than a smaller can of jelly beans.

The number of beans in the large can multiplied by the number of beans in the smaller can is 54.

Arnold took the jelly beans from the smaller can and put them all into the larger can.

How many jelly beans are now in the larger can?

Show your work. And eat some jelly beans! Yum.

Name: _____

Erin and Ava are spending their summer at the beach. Today they are playing a game called Shell Seekers. The spinner for the game has six sections labeled 5, 10, 15, 20, 25, and 30. Write the probability as a fraction that Erin will spin a number less than 20.

In a random sample of 8th grade students, 52 said that pi is equal to $\frac{22}{7}$, 38 said pi is equal to 3.14, and 12 said that pi is equal to 3.1416. Eighteen said that they had no idea. What is the relative frequency of students that did not know the value of pi?

Rewrite this mixed number as an improper fraction.

$$11 \frac{3}{4}$$

In each group, circle the number that has the greatest value, and put a square around the number that has the least value.

7^1

7^3

7^5

6^6

6^1

6^2

Name: _____

Sammy Shark bought three programs for the floor show for \$24.6. If his brother Sal bought six programs at the same price per program, what would the total cost be?

In 2005, Hailu Negussie of Ethiopia won the Men's Open with a time of 2:11:45. Catherine Ndereba of Kenya won the Women's Open with a time of 2:25:13. How much faster was Negussie's time?

Connor added the number of edges on a triangular prism to the number of vertices on a cube. What was the sum?

Name: _____

Cross off the number that does NOT belong.

$$15 \frac{25}{50}, 16, 16 \frac{10}{50}, 16 \frac{35}{50}, 16 \frac{45}{50}, 17 \frac{20}{50}, 17 \frac{30}{50},$$
$$17 \frac{33}{50}, 18 \frac{5}{50}, 18 \frac{15}{50}, 18 \frac{40}{50}, 19, 19 \frac{25}{50}$$

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

$$\frac{1}{27}, \frac{1}{9}, \frac{1}{3}, (1), (3),$$
$$(9), (27), (70),$$
$$(81), (243), (729)$$

Why does _____ not belong in the pattern?

Name: _____



Write your own math problem here.

Ask the person who helped you to try to solve your problem.

☐

I did page 24

☐I decided to skip this page
edHelper

Name: _____

How many times
do you need to spin?I needed to spin _____
time(s) to finish the page.

Spin fidget spinner. Quick!

I needed to spin _____ time(s) to finish.

$8 + 1 - 3 - 4 = \underline{\hspace{2cm}}$

$9 + 2 - 2 = \underline{\hspace{2cm}}$

$6 \times 1 - 5 = \underline{\hspace{2cm}}$

$2 \times (2 \times 6) = \underline{\hspace{2cm}}$

$8 \times 3 \times 8 \times 1 = \underline{\hspace{2cm}}$

$5 + 1 \times 8 = \underline{\hspace{2cm}}$

$7 + (21 \div 7) - 1 = \underline{\hspace{2cm}}$

$8 - 5 + 6 = \underline{\hspace{2cm}}$

$6 - 6 \times 1 = \underline{\hspace{2cm}}$

$(7 - 5) + 7 = \underline{\hspace{2cm}}$

$6 \times 6 \times 4 = \underline{\hspace{2cm}}$

$9 \times 9 + 12 = \underline{\hspace{2cm}}$

$4 \times 9 + 16 \div 8 = \underline{\hspace{2cm}}$

$3 + 5 - 2 = \underline{\hspace{2cm}}$

$9 \times 1 - 4 = \underline{\hspace{2cm}}$

$6 \times 12 - 10 = \underline{\hspace{2cm}}$

$1 + (96 \div 8 \times 8) = \underline{\hspace{2cm}}$

$6 + (9 + 4) = \underline{\hspace{2cm}}$

$5 + (9 \times 2) = \underline{\hspace{2cm}}$

$1 \times 7 - 1 = \underline{\hspace{2cm}}$

$3 + 36 \div 4 = \underline{\hspace{2cm}}$

$11 - 4 + 10 = \underline{\hspace{2cm}}$

$7 - 3 - 2 + 9 = \underline{\hspace{2cm}}$

$4 + 5 \times 10 = \underline{\hspace{2cm}}$

$6 \times 4 \times 2 = \underline{\hspace{2cm}}$

$(2 + 6) + 4 = \underline{\hspace{2cm}}$

$5 + (8 \times 7) = \underline{\hspace{2cm}}$

Name: _____



How many times
do you need to spin?

I needed to spin _____
time(s) to finish the page.

Spin fidget spinner. Quick!

I needed to spin _____ time(s) to finish.

$1 \times 7 + 8 = \underline{\quad}$

$5 + 11 - 9 = \underline{\quad}$

$5 + 2 \times 7 = \underline{\quad}$

$9 + 12 - 4 = \underline{\quad}$

$1 \times 5 - 3 + 2 = \underline{\quad}$

$(10 - 7) + 10 = \underline{\quad}$

$4 \times 9 + (63 \div 9) = \underline{\quad}$

$7 \times 1 + 8 = \underline{\quad}$

$4 + 9 + 3 = \underline{\quad}$

$12 + (11 - 2) = \underline{\quad}$

$9 + (21 \div 7) = \underline{\quad}$

$4 \times 1 \times 11 = \underline{\quad}$

$6 + 3 - 1 = \underline{\quad}$

$9 - 2 + 7 = \underline{\quad}$

$7 + 3 + 3 = \underline{\quad}$

$7 + 8 \times 12 = \underline{\quad}$

$5 + 3 + 1 + 8 = \underline{\quad}$

$(12 - 4) + 3 = \underline{\quad}$

$6 \times 7 - 7 + 2 = \underline{\quad}$

$(10 - 8) + 11 = \underline{\quad}$

$3 \times 6 \times 5 = \underline{\quad}$

$7 + 5 \times 4 = \underline{\quad}$

$7 - 1 + 3 = \underline{\quad}$

$11 + 5 - 5 = \underline{\quad}$

$1 + 6 + 3 = \underline{\quad}$

$(7 \times 2) - 1 = \underline{\quad}$



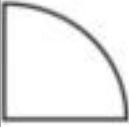
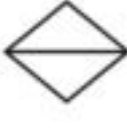
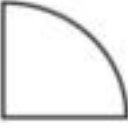


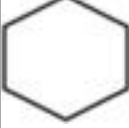


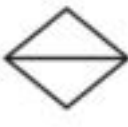
$7 + (8 - 8) = \underline{\quad}$

Name: _____

Each row, column, and box must have the numbers 1 through 6. The first box is done.

6	4	1			
5	2	3		4	
		4		2	3
	6		3		2

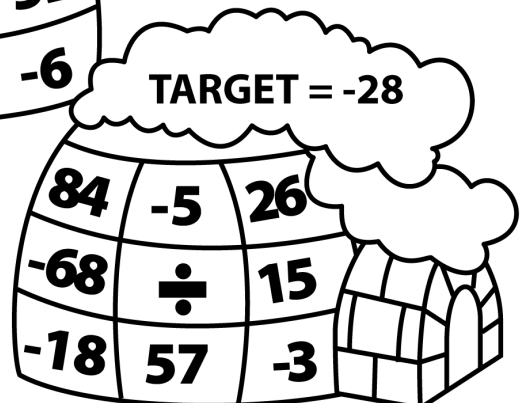
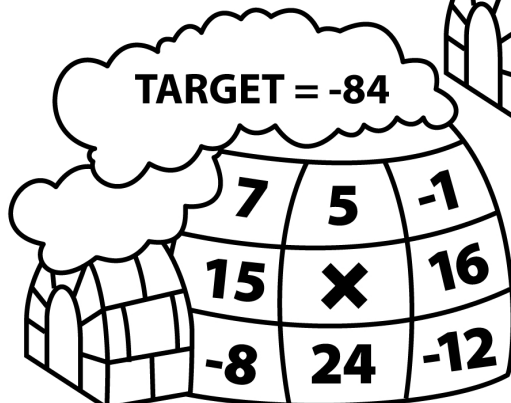
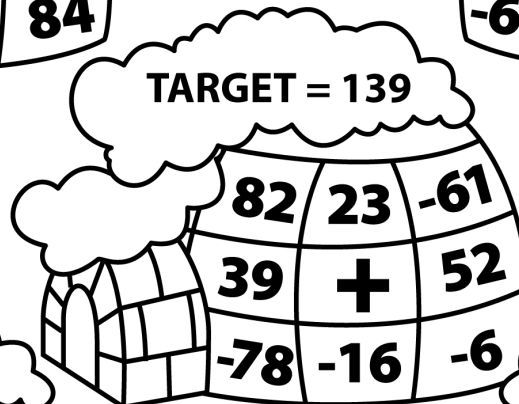
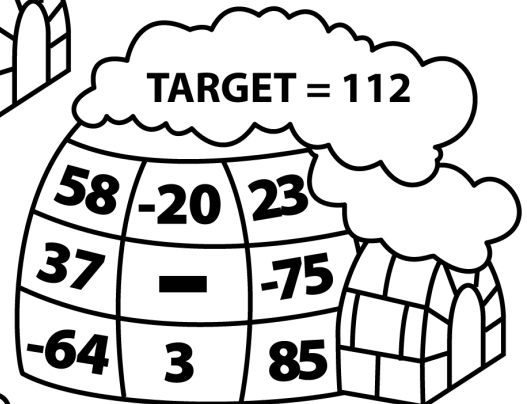
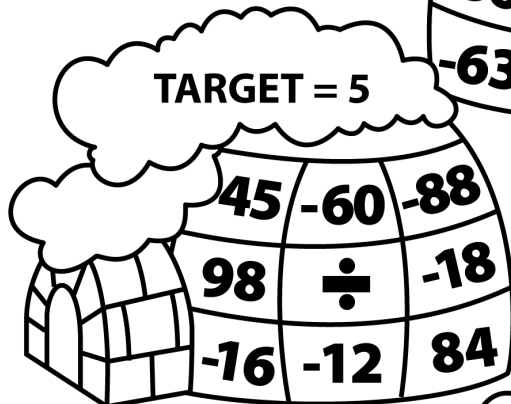
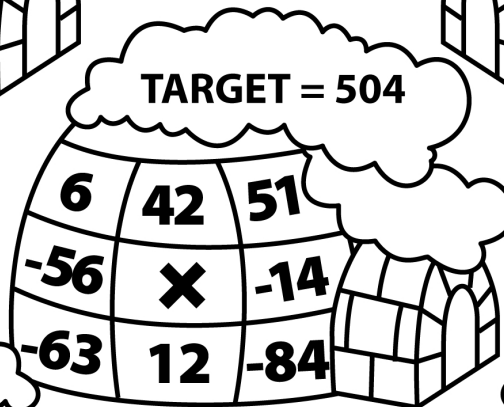
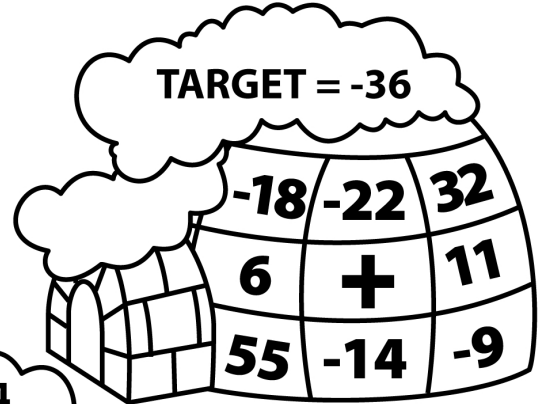
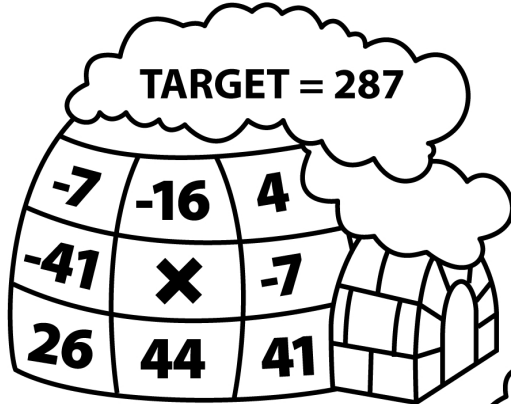
Each row, column, and box must have 6 different pictures.

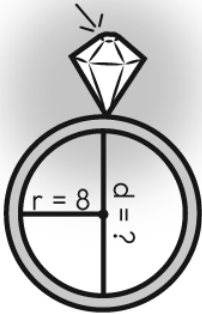
Name: _____

IGLOO TIC-TAC-TOE

Directions: Make a three in a row trail (horizontally, vertically or diagonally) that when combined results to the target number.



Name: _____

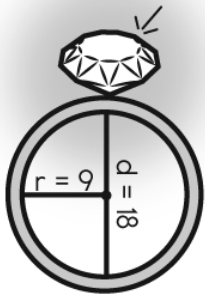
**MISSING
INFORMATION**

$$c = 50.24 \text{ mm}$$

$$\text{Circumference} = 50.24 \text{ mm}$$

$$\text{Radius} = 8 \text{ mm}$$

$$\text{Diameter} =$$



$$\text{Circumference} =$$

$$\text{Radius} = 9 \text{ mm}$$

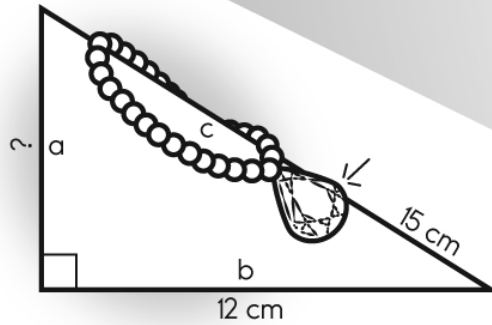
$$\text{Diameter} = 18 \text{ mm}$$

**HELPFUL
INFORMATION**

$$\text{RIGHT TRIANGLES} - a^2 + b^2 = c^2$$

$$\text{CIRCLES} - C = 2\pi r$$

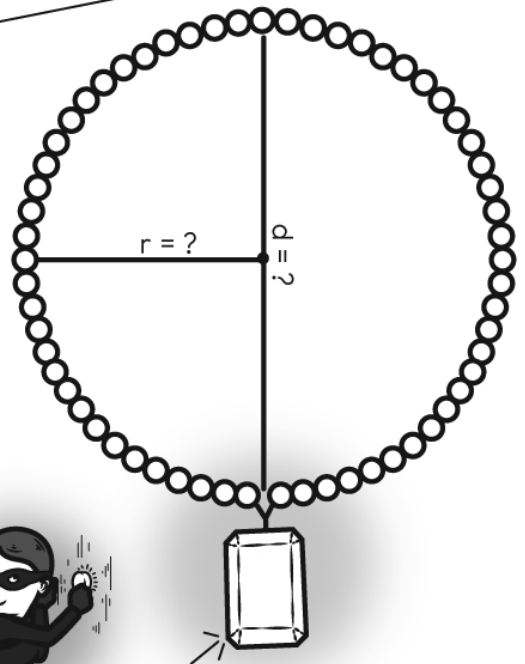
$$\pi = 3.14$$



$$a =$$

$$b = 12 \text{ cm}$$

$$c = 15 \text{ cm}$$



$$\text{Circumference} = 25.12 \text{ cm}$$

$$\text{Radius} =$$

$$\text{Diameter} =$$



Name: _____

I am a fraction in lowest terms. If you take the numerator and add it to its denominator, the sum is 17. If you add $\frac{30}{66}$ to me, the sum is 1. What is this fraction?

The sum of two counting numbers is 49. One number is three larger than the other. What are the two numbers?

What kind of angle has a measure of between 0° and 90° ?

Sketch an obtuse angle named $\angle EFG$.

An angle measures 70° . What would you call this angle?

Name: _____

There is a certain book at the school library that has four hundred fifty-three pages. If the probability that you will open the book to any page at random and find a picture is 12%, how many pages in the book have pictures on them? Assume that the pictures are randomly distributed throughout the book.

Coach Jones stresses the importance of free throws during basketball practice. The day before each game, everyone on the team shoots 20 free throws, and he charts their progress as the season goes by. If Kevin made 3 out of 20 on the first day of practice, and most recently he made 13 out of 20, by what percent has his free throw completion rate changed? Round your answer to the nearest hundredth of a percent.

Emma is playing a game using a single die. The die is a six-sided cube with each face having a number from 1-6 on it. For each roll resulting in a number greater than five she gets a point, and for each roll resulting in a number less than five she loses a point. She rolls the die on her next turn and says, "Oh, I guess that means I neither lose nor win any points on this turn." What number must have come up on the die?

The ratio of indoor basketballs to outdoor basketballs at the Megalopolis recreation center is 6:3. If the rec center has 56 basketballs, how many of them are indoor basketballs?

A scientist counted birds in a cornfield. He counted five crows, eight jays, and three hawks. What was the ratio of jays to hawks?

The local store is having a sale. All floopers are 38% off. If a flooper normally costs \$10.79 plus 5% sales tax, how much will it cost to buy a Flooper during the sale?

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I did page 31

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Name: _____

Posters for Children's Book Week come in packages of 30. If each package costs \$8.26, how much will be spent on posters?

Polar bears are very large animals. An adult female polar bear is usually about 660 pounds. An adult male can grow to 18 feet tall and weigh up to 1,320 pounds! What is the difference between the two weights?

A 9-inch gingerbread pan holds $5\frac{3}{4}$ cups of batter. Amanda has $6\frac{5}{8}$ cups of batter. How much batter will be left after she fills the 9-inch pan?

$$0.4 (0.7 (0.4 + 2)) =$$

What is the greatest common factor of the numbers 45 and 30?

What is the remainder of 46 divided by 8?

In the fourth grade, each student read one poem. Of the students, $\frac{1}{5}$ read "The River," $\frac{1}{5}$ read "Storm Clouds," and $\frac{3}{5}$ read "First Spring." Which poem was read by the most students?

If 7 of 20 four-square courts had blue lines and the rest had white lines, what percent of the courts had white lines?

Jenna ran at a steady pace of 5.5 miles per hour around the circular track behind her apartment. It took her 2.8 minutes to make one lap around the track. To the nearest hundredth of a mile, what was the diameter of the track?

Name: _____

Mrs. Lee, the first grade teacher, liked to surprise her students. One day she brought her pet boa constrictor to school. Another day she came dressed up like Mary Poppins. Everyone smiled and thought, "Well, she's just funny that way." In her 10 years of teaching Mrs. Lee has taught 224 first graders. At that rate, if she teaches for 26 years in all, how many students will she have taught?

There are approximately 178,000 speakers of the Navajo language in the United States and approximately 204,000 speakers of other Native American languages. Write the ratio of Navajo speakers to speakers of other Native American languages as a fraction in lowest terms.

In what quadrant would you find the point $(-7, 9)$?

What is the remainder of 73 divided by 14?

Simplify.

$$\frac{4,200}{6,300} =$$

The cost of a turkey is \$1.15 per pound. Write an equation for this function, and tell what each variable represents.

It takes one hundred fifty pounds of milk to make fifteen pounds of cheese. At that rate, how much milk does it take to make nine ounces of cheese?

Maria was bored. She found her little sister and offered to read a book to her. She read to her sister for an hour and 35 minutes. If Maria started reading at 3:24 p.m., what time did she stop reading?

$$|-8| + f = 13$$

$$f =$$

$$|-9| - x = 7$$

$$x =$$

If $y = -7$ and $p = 17$ then what is $12y - 8p + 2p = ?$

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I did page 33

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I decided to skip this page

Name: _____

Find 72% of 114.

Change 2% to a decimal.

Find 80% of 365.

13 is what percent of 52?

Change 0.02 to a percent.

Find 9% of 90.

Change $\frac{93}{100}$ to a percent.Change $\frac{8}{25}$ to a decimal.Change $\frac{1}{2}$ to a decimal.

Change to a percent and then to a fraction:

$4\% = . \quad = \underline{\quad}$

$3\% = . \quad = \underline{\quad}$

$9\% = . \quad = \underline{\quad}$

$5\% = . \quad = \underline{\quad}$

$8\% = . \quad = \underline{\quad}$

Change to percents.

$\frac{99}{100} =$

$\frac{54}{100} =$

$\frac{10}{100} =$

$\frac{27}{100} =$

$\frac{38}{100} =$

$\frac{3}{10} =$

Change to percents.

$.54 =$

$.69 =$

$.34 =$

$.02 =$

$.80 =$

$.75 =$

$.15 =$

$.24 =$

$.60 =$

$.60 =$

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I did page 34

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Name: _____

Sixty-eight more than eight times a number is greater than seven times the number. What numbers satisfy this inequality?

Natalie is three years younger than Andrew. The sum of the ages of Andrew and Natalie is fifteen. How old is Andrew?

The measures of two angles in a complementary triangle are in the ratio of 1:4. What is the measure of the smaller angle?

Hannah left early in the morning for a long bike ride. She reached the half point of her ride about two hundred ninety minutes later. She calculated her speed was six mph for the first half of the trip. If she rides the second half at a rate that is six mph more, how much quicker will the second half be (in minutes)?

Four times Brandon's age is one hundred four more than twice Morgan's age. The sum of their ages is fifty. How old is Brandon?

A rectangle, whose perimeter is one hundred twenty-two feet, has a width that is five feet shorter than its length. What are the dimensions of the rectangle?

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I did page 35

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Name: _____

Alex was writing a report on the history of the National Day of Prayer. His search engine listed 10,501 websites with information about the day. If it takes him an average of 4 minutes to look at the information in each website, how long would it take him to look at 106 of these 10,501 websites? (Express your answer in hours and minutes.)

Alex must fill out a practice form each week for band class. There is a place for each day of the week (including weekends) and a space to write the practice time for that day. Last week's form had the following data on it: Mon-30 min, Tue-40 min, Wed-0 min, Thu-50 min, Fri-0 min, Sat-70 min, Sun-60 min. What was the average number of minutes he practiced per day?

$$3 + (7 + 2)$$

$$(8 + 12) + 6 = 2(v + 10)$$

What is the value of v ?

A, F, K, P, _____, Z

Holly's recipe for apple fritters makes sixteen fritters and uses half of a cup of milk. Holly wants to make four fritters. How much milk will she need?

If you count by twos, you miss it by 1. If you count by fives, you miss it by the same amount. It is greater than 30. What is the smallest number it could be?

Beatrix Potter was born in 1866. Write the prime factorization of the year of her birth.

$$2 + 10 \times 3$$

Simplify.

$$\frac{72}{96} =$$

$$27 - t + 11 = 18$$

What is the value of t ?



It's NO PREP at edHelper.

More history!

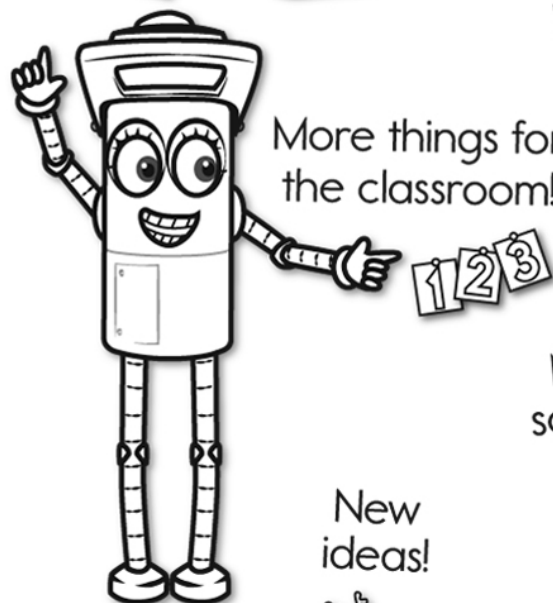


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