

Name: _____

$$470 \div 10 = \underline{\hspace{2cm}}$$

$$7,210 \div 10 = \underline{\hspace{2cm}}$$

$$94,400 \div \underline{\hspace{2cm}} = 944$$

$$3,730,000,000 \div \underline{\hspace{2cm}} = 373$$

$$8,300 \div 40 = (8,300 \div \underline{\hspace{2cm}}) \div 4$$

$$= \underline{\hspace{2cm}} \div 4$$

$$= \underline{\hspace{2cm}}$$

$$94,900 \div 20 = (94,900 \div \underline{\hspace{2cm}}) \div 2$$

$$= \underline{\hspace{2cm}} \div 2$$

$$= \underline{\hspace{2cm}}$$

$$29 \times 10 = \underline{\hspace{2cm}}$$

$$463 \times 10 = \underline{\hspace{2cm}}$$

$$979 \times \underline{\hspace{2cm}} = 9,790,000$$

$$378 \times \underline{\hspace{2cm}} = 3,780,000,000$$

$$98 \times 30 = (98 \times \underline{\hspace{2cm}}) \times 10$$

$$= \underline{\hspace{2cm}} \times 10$$

$$= \underline{\hspace{2cm}}$$

$$897 \times 60 = (897 \times \underline{\hspace{2cm}}) \times 10$$

$$= \underline{\hspace{2cm}} \times 10$$

$$= \underline{\hspace{2cm}}$$

The school is putting on a play. The drama teacher spent \$554 on costumes and props for the play. She hopes to make it back when selling tickets. Tickets to the show are \$3 each. They already sold 31 tickets. How many more tickets will they need to sell to break even?

Some mysterious number, let's call it GoZoomper, is added to 333. The sum of GoZoomper and 333 is then multiplied by 4. Would you believe the final result is 1,576? No, you probably wouldn't because you don't know how much GoZoomper is equal to. Can you figure out the value of GoZoomper, or do you need more information?

Hint: Would it help if I told you GoZoomper is greater than 57 but it is less than 66?

Name: _____

List the factors and then the prime numbers.

Example:

11

Factors are 1 and 11.

Because a prime number only has 2 factors - a 1 and itself - 11 is a prime number.



71

34

68

18

27

10

Prime numbers are: _____

How did you arrive at this conclusion? _____

Name: _____

9	5	1	3
-	0	↓	↓
	5	1	
-	4	5	↓
		6	3
	-	6	3
			0

2	6	2	2
-		↓	↓
	-		↓
		-	

3	6	8	4
		↓	↓

7	1	9	3	2
	↓	↓	↓	

6	7	2	5	4
	↓	↓	↓	

4	6	5	4	4
	↓	↓	↓	

Name: _____

$99 \times 100 =$

$68 \times 100 =$

$77 \times 10 =$

$62 \times 1,000 =$

$94 \times 10 =$

$41 \times 100 =$

$53 \times 100 =$

$86 \times 10 =$

$48 \times 1,000 =$

$______ \times 1,000 = 75,000$

$48 \times ______ = 4,800$

$97 \times ______ = 9,700$

PREVIEW

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$______ \times 1,000 = 91,000$

$______ \times 100 = 9,500$

$______ \times 1,000 = 41,000$

$______ \times 100 = 8,400$

$58 \times ______ = 580$

$56 \times ______ = 56,000$

$37 \times ______ = 370$

$______ \times 100 = 9,400$

$44 \times ______ = 4,400$

$______ \times 1,000 = 96,000$

$93 \times ______ = 9,300$

$______ \times 10 = 640$

Name: _____

**FUN
BREAK!**

Play a game online!

edHelper.com/math-games.htm**I PLAYED
ONE
GAME****MY SCORE**

PREVIEW

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Find the least common denominator.

$$\frac{5}{10} \text{ and } \frac{1}{4}$$

$$\begin{array}{r} \frac{5}{6} \\ - \frac{2}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 14 \frac{5}{7} \\ - 5 \\ \hline \end{array}$$

It was 83 degrees outside. What would the temperature be if it got 19 degrees colder?

What is the area of a rectangle with sides 4 cm and 8 cm?

Know how many inches in a foot? Okay, smarty pants, how many inches in 7 feet?

Name: _____

$$(16 \times 5 + 8) \div (4 + 15 - 8) =$$

Wow, Erin just spent \$22 at the store. She bought 3 friendship bracelets and 5 scrunchies. Her sister wants a scrunchy. Erin will let her sister have one only if she can figure out how much each scrunchy costs. Each friendship bracelet was exactly double the price of one scrunchy. Can you tell Erin's sister how much one scrunchy costs so she can get one?

$$(20 \times 5 + 12) \div (8 + 18 - 10) =$$

PREVIEW

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they are offering a free ticket for every 7 tickets purchased. Normally each ticket would cost \$78. It's not cheap going to the amusement park! Ava is planning a birthday party and will buy a ticket for herself and 7 of her friends. How much will the tickets cost altogether?

correct order of operations.

$$93 - 49 + 33$$

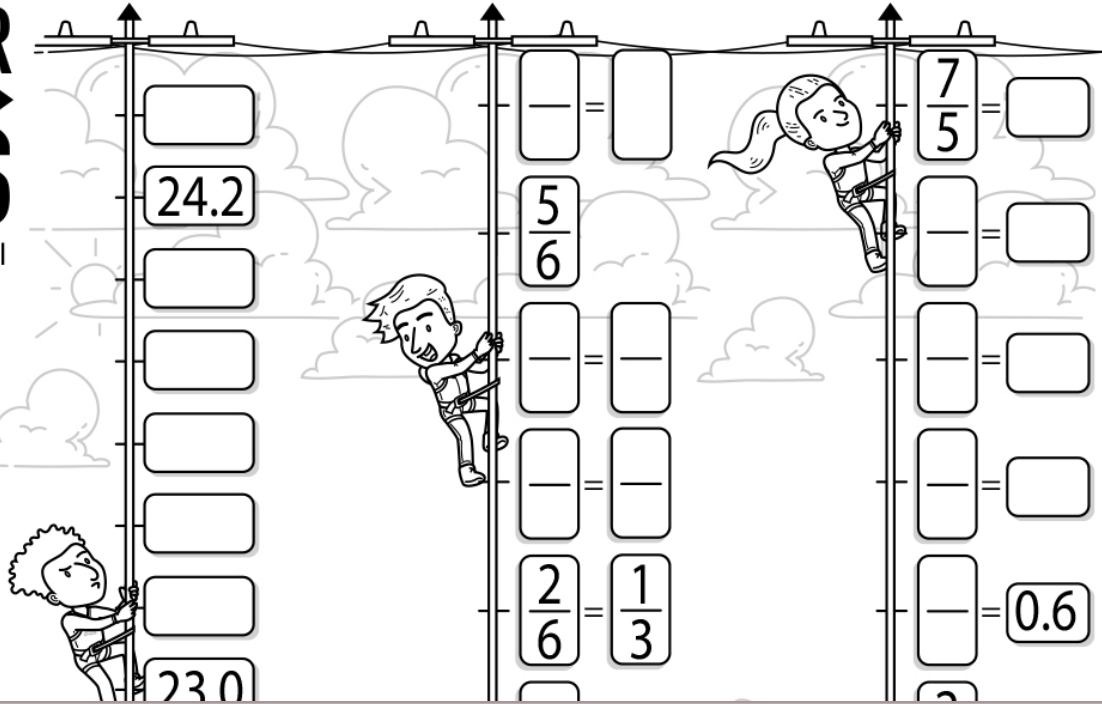
$$85 + 37 \times 5$$

Name: _____

NUMBER LINES

Fill in each vertical
number line and
compare the two
numbers.

> <



PREVIEW

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Brooklyn and Wesley changed light bulbs on radio towers yesterday. Brooklyn climbed 1,100.6 meters. Wesley climbed $1,100\frac{3}{4}$ meters. Who climbed the most? Draw a number line and compare the two numbers.

$$\begin{array}{c} \text{Brooklyn} \\ 1,300.6 \end{array} \bigcirc \begin{array}{c} \text{Wesley} \\ 1,300\frac{3}{4} \end{array}$$

Name: _____

I am a 2-digit number that is divisible by 5 and 8. If you add my digits together, the sum is 4. What number am I?

I am a 2-digit number that is divisible by 2 and 9. If you add my digits together, the sum is 9. What number am I?

PREVIEW

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I am a 2-digit number that is divisible by 5 and 7. If you add my digits together, the sum is 8. What number am I?

Name: _____

$64 \times 10 =$

$54 \times 10 =$

$91 \times 10 =$

$65 \times 10 =$

$82 \times 10 =$

$98 \times 10 =$

$73 \times 10 =$

$64 \times 10 =$

$67 \times 10 =$

$44 \times \underline{\hspace{2cm}} = 440$

$\underline{\hspace{2cm}} \times 10 = 820$

$\underline{\hspace{2cm}} \times 10 = 860$

PREVIEW

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$97 \times \underline{\hspace{2cm}} = 970$

$31 \times \underline{\hspace{2cm}} = 310$

$54 \times \underline{\hspace{2cm}} = 540$

$86 \times \underline{\hspace{2cm}} = 860$

$\underline{\hspace{2cm}} \times 10 = 890$

$\underline{\hspace{2cm}} \times 10 = 860$

$95 \times \underline{\hspace{2cm}} = 950$

$38 \times \underline{\hspace{2cm}} = 380$

$\underline{\hspace{2cm}} \times 10 = 680$

$\underline{\hspace{2cm}} \times 10 = 730$

$42 \times \underline{\hspace{2cm}} = 420$

$\underline{\hspace{2cm}} \times 10 = 460$

Name: _____

Fill in the missing numbers.

$$\underline{\hspace{2cm}} \times 8 = 19 + 29$$

$$\underline{\hspace{2cm}} \times 11 = 8 + 25$$

$$\underline{\hspace{2cm}} \times 9 = 19 + 53$$

You are given a secret number of 39,857,612.

PREVIEW

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Psst. Whisper the number in the millions place: _____

Name the place value that is 10,000 times greater than the thousands place.

Name: _____

Jenna is making T-shirts to sell at her mom's flea market shop. She spent \$70 at the fabric store and was able to make 12 T-shirts. She sold 9 of them so far for \$9 each. How much has she made or lost so far?

Can you write the expression 4800×69 in three more ways so that the product of each expression is the same?

PREVIEW

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needs 128 pens, so she goes to her favorite store, Crazy Deals. Crazy Deals sells fancy pens, but it is also a shop that brings madness to shopping. Today they are offering to give away 3 pens for every 5 pens you purchase.

What is the least number of pens Anna needs to pay for so that she ends up with at least 128 pens?

Name: _____

Use any of these digits. Cross off a digit after you use it.

5**9****3****6****4**

Write the largest 2-digit number that you can come up with that is divisible by 6.

Use any of these digits. Cross off a digit after you use it.

0**0****0****0****1****2****5**

PREVIEW

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Use any of these digits. Cross off a digit after you use it.

2**0****6****6****1**

Write the smallest 2-digit number that you can come up with that is divisible by 2.

Name: _____

X		6			7	
6	$\underline{\quad} \times \underline{\quad}$	$\underline{6} \times \underline{6}$	$\underline{6} \times \underline{\quad}$	60	42	$\underline{6} \times \underline{\quad}$
12	$\underline{12} \times \underline{\quad}$	$\underline{12} \times \underline{6}$	$\underline{12} \times \underline{\quad}$	120	84	96
	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{6}$	$\underline{\quad} \times \underline{\quad}$	48		$\underline{\quad} \times \underline{\quad}$
		36				

PREVIEW

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	60	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{6}$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{7}$	$\underline{\quad} \times \underline{\quad}$
5	60	$\underline{5} \times \underline{\quad}$	$\underline{5} \times \underline{6}$	$\underline{5} \times \underline{\quad}$	$\underline{5} \times \underline{\quad}$	$\underline{5} \times \underline{7}$	$\underline{5} \times \underline{\quad}$
	36	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{6}$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{7}$	$\underline{\quad} \times \underline{\quad}$

Write an equation to represent this:

The product of seven and twelve is eighty-four.

$$\begin{array}{r} 454 \\ + 227 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 14 \\ \hline \end{array}$$

word root **cal** can mean **heat or glow**

calorie, calorimeter

Name: _____

Circle the bigger number. Put a square around the smaller number.

9.5 hundredths

37.5 thousandths

"I can quickly divide a three-digit number by a two-digit number," Ava tells Hunter.

"Yeah, sure," replies Hunter. "Then what is 255 divided by 15?"

PREVIEW

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How many moos are equal to 20 croaks?

20 croaks = 25 purrs

50 purrs = 60 gobbles

6 gobbles = 1 moo

Name: _____

$(5 - 2) + 4 + 1 - 7 = \underline{\hspace{2cm}}$

$10 \times (3 - 1) = \underline{\hspace{2cm}}$

$8 - 8 + 6 - 2 + 4 = \underline{\hspace{2cm}}$

$10 - 8 + 9 + 8 = \underline{\hspace{2cm}}$

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

$50 \div 10 \times 2 = \underline{\hspace{2cm}}$

$7 + 5 - 5 - 5 + 1 = \underline{\hspace{2cm}}$

$2 \times 45 \div 5 = \underline{\hspace{2cm}}$

$2 + (6 + 6 + 5) + 1 - 8 = \underline{\hspace{2cm}}$

$2 + 120 \div 12 = \underline{\hspace{2cm}}$

$2 + 1 + 6 = \underline{\hspace{2cm}}$

PREVIEW

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$7 + 1 - 8 = \underline{\hspace{2cm}}$

$7 + 44 \div 4 = \underline{\hspace{2cm}}$

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

$4 - 24 \div 8 = \underline{\hspace{2cm}}$

$(2 + 2) + 4 - 1 = \underline{\hspace{2cm}}$

$40 \div 8 + 9 = \underline{\hspace{2cm}}$

$4 + 1 + 1 + (5 + 4 - 2) = \underline{\hspace{2cm}}$

$3 + 9 - 8 = \underline{\hspace{2cm}}$

$7 + 8 + 7 = \underline{\hspace{2cm}}$

$36 \div 4 + 1 = \underline{\hspace{2cm}}$

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

$(6 + 3) + 6 - 5 = \underline{\hspace{2cm}}$

$7 + 4 - 1 + 5 + 1 = \underline{\hspace{2cm}}$

$10 \div 2 \times 11 = \underline{\hspace{2cm}}$

$1 + (9 + 4) = \underline{\hspace{2cm}}$

$5 \times 7 - 6 = \underline{\hspace{2cm}}$

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

$4 + 8 - (1 \times 4) = \underline{\hspace{2cm}}$

Name: _____

$8,600 \div 100 =$

$950 \div 10 =$

$8,800 \div 100 =$

$98,000 \div 1,000 =$

$73,000 \div 1,000 =$

$450 \div 10 =$

$33,000 \div 1,000 =$

$3,600 \div 100 =$

$63,000 \div 1,000 =$

$5,600 \div \underline{\hspace{2cm}} = 56$

$\underline{\hspace{2cm}} \div 1,000 = 97$

$\underline{\hspace{2cm}} \div 100 = 79$

PREVIEW

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$5,500 \div \underline{\hspace{2cm}} = 55$

$4,400 \div \underline{\hspace{2cm}} = 44$

$\underline{\hspace{2cm}} \div 1,000 = 42$

$73,000 \div \underline{\hspace{2cm}} = 73$

$\underline{\hspace{2cm}} \div 10 = 43$

$6,400 \div \underline{\hspace{2cm}} = 64$

$\underline{\hspace{2cm}} \div 1,000 = 95$

$460 \div \underline{\hspace{2cm}} = 46$

$37,000 \div \underline{\hspace{2cm}} = 37$

$\underline{\hspace{2cm}} \div 100 = 54$

$\underline{\hspace{2cm}} \div 100 = 39$

$\underline{\hspace{2cm}} \div 100 = 31$

Name: _____

ABSOLUTE VALUE

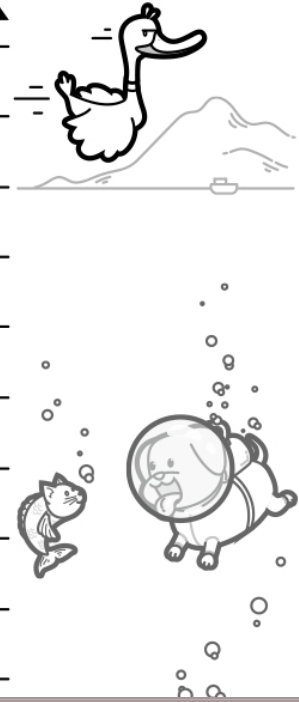


1. Carlos, Frida, and Miguel started at sea level. Miguel flew away at a height of **10** feet. Frida dove to a depth of **20** feet. Carlos dove to a depth of **45** feet. Fill in the number line and write the absolute value of each bold number.

2. Who is farthest from sea level?
- _____

0

-35



3. Carlos is starting a business, *Carlos's Adventure Diving Company*. He had \$18,000 in his banking account to start.

PREVIEW

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KEEF BANK

Carlos Carson
612 Pebble Beach Rd
Beachy, Ca

Account Type	Account Number	Ending Balance
checking	XXXXXXXX2546	\$

Date	Debits	Credits	Balance
5/1	Beginning Balance		\$
5/7	Scuba Store		\$ -9,000
5/13	Boats R Us		\$
5/22	Sandy's Scuba Certification		\$
5/23	Deposit	\$ 	\$
5/28	Beachy Ad Co.		\$
5/29	Insurance Co		\$
5/30	Misc. Mart		\$

4. On which date was Carlos's balance **closest** to zero dollars?
- _____ / _____

5. On which date was Carlos's balance **farthest** from zero dollars?
- _____ / _____

6. On which two dates was the **absolute value** of Carlos's balance the same?
- _____ / _____

Name: _____

3	1	5	9

9	7	0	2

8	5	9	2

PREVIEW

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5	2	4	4	5

6	7	5	6	4

5	6	6	7	1

Name: _____

$$\begin{array}{r}
 59 \\
 \times 78 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 24 \\
 \times 71 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 16 \\
 \times 46 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 40 \\
 \times 18 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 51 \\
 \times 17 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 62 \\
 \times 82 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 80 \\
 \times 76 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 41 \\
 \times 34 \\
 \hline
 \end{array}$$

PREVIEW

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$$\begin{array}{r}
 29 \\
 \times 53 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 73 \\
 \times 87 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 70 \\
 \times 47 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 92 \\
 \times 77 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 83 \\
 \times 95 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 59 \\
 \times 43 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 97 \\
 \times 85 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 25 \\
 \times 33 \\
 \hline
 \end{array}$$

Name: _____

Hannah 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 16 is subtracted from the unknown number and then she divides that by 3, it gives the same value as when 54 is subtracted from the unknown number. What is the unknown number?

Adam will not tell you how many points he has in the PointsGazoomer app. All he told you is that if you triple the number of points you have then you will have one-half the number

PREVIEW

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Jenna 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 14 is subtracted from the unknown number and then she divides that by 3, it gives the same value as when 48 is subtracted from the unknown number. What is the unknown number?

Name: _____

Use any of these digits. Cross off a digit after you use it. You do not need to use all of the numbers.

1 7 3 8 5

The product of a 2-digit number and a 1-digit number is 120. Write the equation.

Use any of these digits. Cross off a digit after you use it. You do not need to use all of the numbers.

PREVIEW

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Use any of these digits. Cross off a digit after you use it. You do not need to use all of the numbers.

2 4 3 2 4

The product of a 2-digit number and a 1-digit number is 48. Write the equation.

Name: _____

$$30 \overline{) 60}$$

$$20 \overline{) 180}$$

$$40 \overline{) 120}$$

$$10 \overline{) 80}$$

$$20 \overline{) 260}$$

$$40 \overline{) 680}$$

$$70 \overline{) 1260}$$

$$60 \overline{) 1140}$$

$$80 \overline{) 1250}$$

PREVIEW

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$$80 \overline{) 3120}$$

$$30 \overline{) 1260}$$

$$70 \overline{) 2030}$$

How many total legs are on 11 chickens?

Rosa bought six candy bars. It cost \$3.84. How much did each candy bar cost?

What number is halfway between 0 and 6?

Name: _____

I am a whole number. One of my factors is 7. One of my digits is 4. I am less than 50.
What number am I?

I am a positive whole number less than 90. Two of my factors are 2 and 3. I am a
common multiple of 14 and 21. What number am I?

PREVIEW

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I am a number between 120 and 160. Two of my factors are 10 and 13. The sum of my
digits is 4. What number am I?

Name: _____

Divide and write the remainder.

$$30 \overline{) 248}$$

$$40 \overline{) 165}$$

$$20 \overline{) 126}$$

$$10 \overline{) 22}$$

$$10 \overline{) 166}$$

$$40 \overline{) 684}$$

PREVIEW

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$$30 \overline{) 758}$$

$$90 \overline{) 3694}$$

$$30 \overline{) 901}$$

word root **fract** can mean **break** **fracture, infraction**

Name: _____

	+	+	=	
	C	?	C	40
+	A	B	C	42
x	A	A	C	53
=				
	493	264	90	

PREVIEW

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$$\underline{\quad} + \underline{\quad} + \underline{\quad} = 53 \quad \underline{\quad} + \underline{\quad} \times \underline{\quad} = 90$$

Additional hints:

$$A = B + 11 \quad B < 18$$

Show Work:

Solve:

$? = \underline{\quad}$

Name: _____

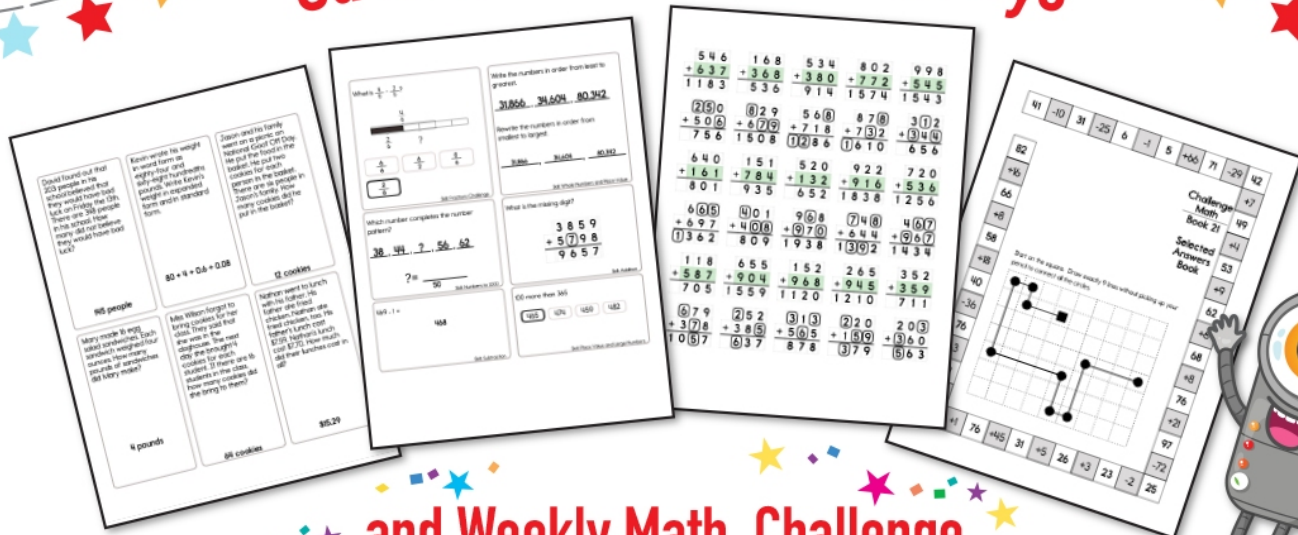
Sally bought a kit to make fidgets. The box says that you can make up to 25 fidgets, so that would be the most she could make. Sally tried to make one. It took her 47 seconds to make. How many fidgets can she make in an hour? Assume she takes a 14-second break after making each fidget.

PREVIEW

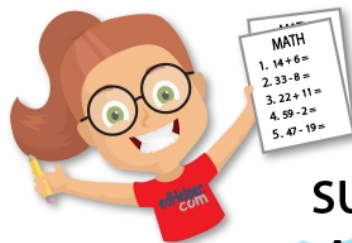
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Write the number that this digit represents.

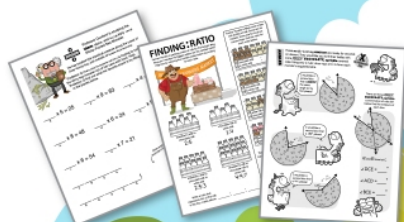
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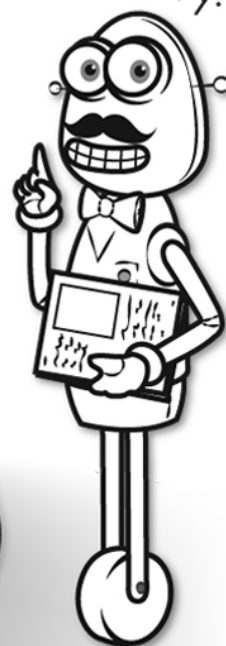


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More puzzles!





Name: _____

Use the following rule to complete the conversion: 8 pints = 1 gallon.

$$48 \text{ _____} + 48 \text{ _____} = 12 \text{ _____}$$

$$\text{_____ pints} + \text{_____ pints} = 6 \text{ gallons}$$

$$8 \text{ pints} + 8 \text{ pints} = \text{_____}$$

Two prime numbers are each greater than 1 and less than 21. When these two prime numbers are added together, they have a sum of 18.

What are the two prime numbers?

(625), (125), (25),

_____, (1), $\frac{1}{5}$, $\frac{1}{25}$,

$\frac{1}{125}$

How much greater is 178 than 37?

Is 555 closer to 500 or 600?

Name: _____

Fill in the missing numbers.

The number 10,000 times 997 = _____

The number one thousand times 997 = _____

The number 10,000 times 9.97 = _____

Adam was having so much fun making cupcakes for his class. He made $2\frac{1}{6}$ dozen of them! But there are only 22 kids in his class. Everyone ate one cupcake except for Emily, who does not like cupcakes. How many cupcakes are left over?

The Zippy Zoo is special.

"Why?" asks Sally.

"Just look!" yells her brother.

It is obviously special because all they have are zebras. A total of 110 of them! The cool part is that 3 out of every 10 zebras at Zippy Zoo are not real zebras. They are robots.

"Wow," says Sally. "How many robot zebras are there?"