

Name: \_\_\_\_\_

What number is halfway between 25 and 29?

Kevin earns \$25 an hour. He worked 6 hours. How much did he make?

Is 32 a composite or a prime number?

876184, 761848, 618487,  
184876, \_\_\_\_\_, 487618,  
876184, 761848, 618487,  
184876, 848761, 487618,  
876184, 761848

$$(11 - 6) + 3 + 11$$

Circle the three numbers whose sum equals 38.

10	18	18	10
13	20	8	9

The radius of a circle is 234 cm. What is the diameter of this circle?

How many meters are there in 17 kilometers?

108 divided by 12 equals

The area of a rectangle is  $28 \text{ cm}^2$ . What could the length of the 4 sides be?

H, G, J, J, L, \_\_\_\_\_,  
N, P, P, S, R, V

m, m, l, l, m, m, l, l, m,  
m, l, l, m, m, \_\_\_\_\_, l



Name: \_\_\_\_\_

Get a fidget spinner! Spin it.

I needed to spin \_\_\_\_\_ time(s) to finish.

Find the GCF using the Birthday Cake method.



3	54 63	5	55 60
3	18 21	GCF: _____	
6	7		
GCF: $3 \times 3 = 9$			

10	250 150	2	22 20	6	60 72
GCF: _____		GCF: _____		GCF: _____	

384 360	88 56
GCF: _____	GCF: _____

48 24	28 34	14 16
GCF: _____	GCF: _____	GCF: _____



Name: \_\_\_\_\_

Spin again.

I needed to spin \_\_\_\_\_ time(s) to finish.

Find the GCF using the Birthday Cake method.

5	35 45 50 7 9 10	3	27 36 30
GCF: $5 = 5$		GCF: _____	
3	54 81 45	6	36 30 18
GCF: _____		GCF: _____	
	30 65 95		28 20 18
GCF: _____		GCF: _____	
	36 52 24		24 30 20
GCF: _____		GCF: _____	

Name: \_\_\_\_\_

Kevin decided to write a letter to his favorite uncle on Blah Buster Day. He wrote the letter on his computer and printed it on bright blue paper. It took him 31 minutes to write the letter. If he started writing it at 12:25 p.m., what time did he finish the letter?	There were 51 cows in the herd. Of that number, $\frac{3}{4}$ were brown, $\frac{2}{12}$ were black and white, and $\frac{1}{12}$ were black. Which group had more cows in it?	The Butterfly Club printed 395 copies of a booklet about butterflies for the new garden. There are 7 pages of pictures and 5 pages of type in the booklet. Each page is printed on $\frac{1}{2}$ sheet of paper. How many sheets of paper were used for all 395 booklets?
--	--	---

Write a letter that has two or more lines of symmetry. _____	28 cm = _____ mm
---	------------------

Jack invented a robotic bug. The bug can crawl five centimeters in twenty-three seconds. How long would it take the bug to crawl forty centimeters?	1 lb = 16 oz 24 lb = _____ oz	$\begin{array}{r} 42 \\ - 22 \\ \hline \end{array}$
	$\begin{array}{r} 528 \\ - 290 \\ \hline \end{array}$	

$\begin{array}{r} 255 \\ + 433 \\ \hline \end{array}$	Cross out the prepositional phrase in the sentence. Tonight I have dance at 5:30.	Circle the correctly spelled words. plight, plyte peeple, people poyse, poise
---	--	--

Name: \_\_\_\_\_

How many ounces are in 3 pounds?  _____ ounces	Write an equation to represent this:  The difference between eleven and four is seven.  _____
--	---

The principal of your school wants to buy thirty-four books. Each book costs \$6.92. She wants to estimate how much it will cost. Show her how you would estimate the cost:	$\begin{array}{r} 37 \\ + 22 \\ \hline \end{array}$	$6 \times 7 =$

Which has the largest answer? $227 \div 35$ $228 \div 35$ $221 \div 35$	Add the correct end punctuation for this sentence. Where will we go for the winter break

Circle the addition property for $60 + 11 = 11 + 60$ . commutative property associative property	If you multiply $360 \times 296$ , you will have a number that is how much bigger than $180 \times 296$ ?  It will be three times as big. It will be twice as big. It will be four times as big. It will be nine times as big. It will be eight times as big.
Write a letter that has a line of symmetry.  _____	

Insert punctuation marks into this sentence. I wondered if I would win a ribbon but I knew I would have to wait to find out.	Add the correct end punctuation for this sentence. Do you think the cafeteria will serve broccoli today
---	--

Name: \_\_\_\_\_

The vowels are missing in the word search.  
Fill in the missing vowels and circle the words.

R		R	G		M		N	T	R
		W	M		N	T	H		T
	R			N	F	L		C	T
T	T	R	T	S		M	M		N
	M		D		S	C		N	T
D		S		P	P			N	T
A	L	M	O	S	T	R		L	
		X	S		V		R		L
H	S	T		L		V			T
		N	D		R	W			R

SEVERAL • DESCENT • MONTH • RULE  
INFLICT • WORE • ALMOST  
SUMMON • UNDERWEAR • DISAPPOINT  
ARGUMENT • ROUTE • STOLE

$60 \div 10 =$

$12 \times 4 =$

Amy wants Anna to guess a two digit number. She tells Anna that her number has two different digits. The digits are 9 and 7. Anna thinks. She then guesses the number 79. What are the chances that Anna has guessed correctly?

How many digits are in ten times ten?

\_\_\_\_\_

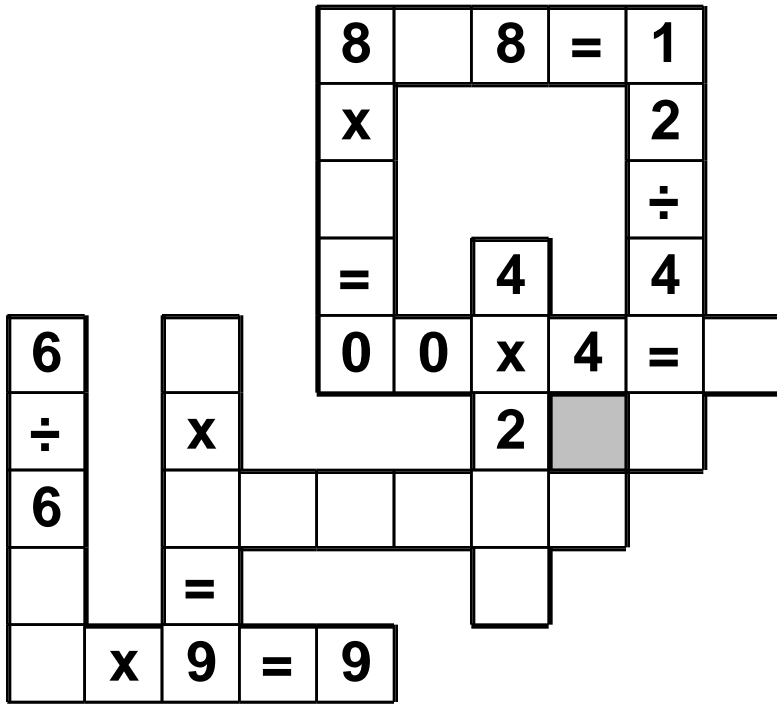
Add a comma to separate the introductory element from the rest of the sentence.

Whistling loudly my brother ran up the front steps to the house.

What is the homophone of this word?  
lie

\_\_\_\_\_

Use the pieces above to help you fill in the runaway math puzzle.



Can 573 be evenly divided by 7? Circle:  
 573 is evenly divisible by 7  
 573 is NOT evenly divisible by 7

$10 \times 5 =$

Name: \_\_\_\_\_

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ 1\frac{1}{5} \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{2}{5} \quad \bigcirc \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \frac{4}{7} \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{3}{7} \quad \bigcirc \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{1}{3} \quad \frac{2}{3} \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{3}{4} \quad \frac{3}{4} \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ 1\frac{1}{2} \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad \frac{5}{8} \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{1}{6} \quad \frac{2}{3} \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{2}{3} \quad \frac{2}{9} \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ 1 \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad \frac{1}{2} \end{array}$$



Name: \_\_\_\_\_

Mental Math

— #1 —

◆ Start with the product of 8 and 5.

40

◆ Add a half dozen.

7 3 8 8 6 9 4 6 5 9 (Circle your answer to double check you are correct.)

◆ Divide that number in half.

2 3 8 2 4 0 3 5 7 8

◆ Add the number of nickels in a dollar.

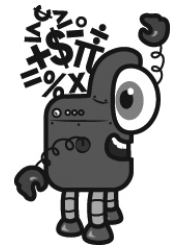
9 4 4 1 1 8 3 4 3 1

◆ Multiply by 10.

6 5 1 7 8 4 3 0 7 7

◆ Add three-fourths of a dozen.

2 3 4 3 9 7 5 5 6 7



Mental Math

— #2 —

❖ Start with the number 785.

8 7 8 5 9 5 4 6 6 8 (Circle your answer to double check you are correct.)

❖ Add half of 34.

2 6 3 8 0 2 1 4 9 9

❖ Add the number of nickels in a dollar.

3 6 8 8 2 2 1 2 6 4

❖ Add 28.

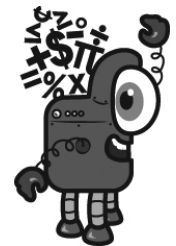
2 8 5 0 4 7 8 0 6 2

❖ Divide by 10.

8 1 4 5 5 3 8 5 1 0

❖ Subtract 17.

6 8 5 4 3 9 2 6 8 0



Name: \_\_\_\_\_

	+		=
+	B	A	?
+	A	A	32
+	C	A	29
=	31	48	

### Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$A + A = 32 \quad \underline{\quad} + A = 29 \quad \underline{\quad} + \underline{\quad} + \underline{\quad} = 48$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = 31$$

Additional hints:

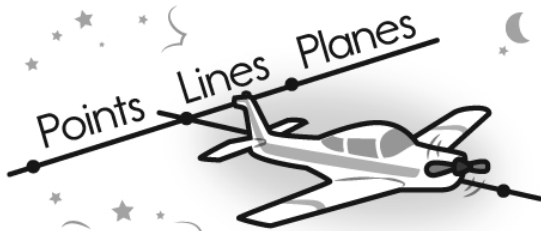
$$C = B + 11 \quad C < 14$$

### Show Work:

### Solve:

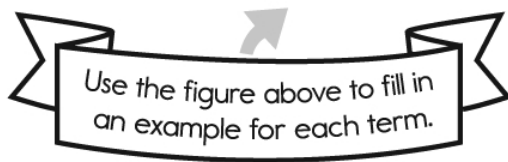
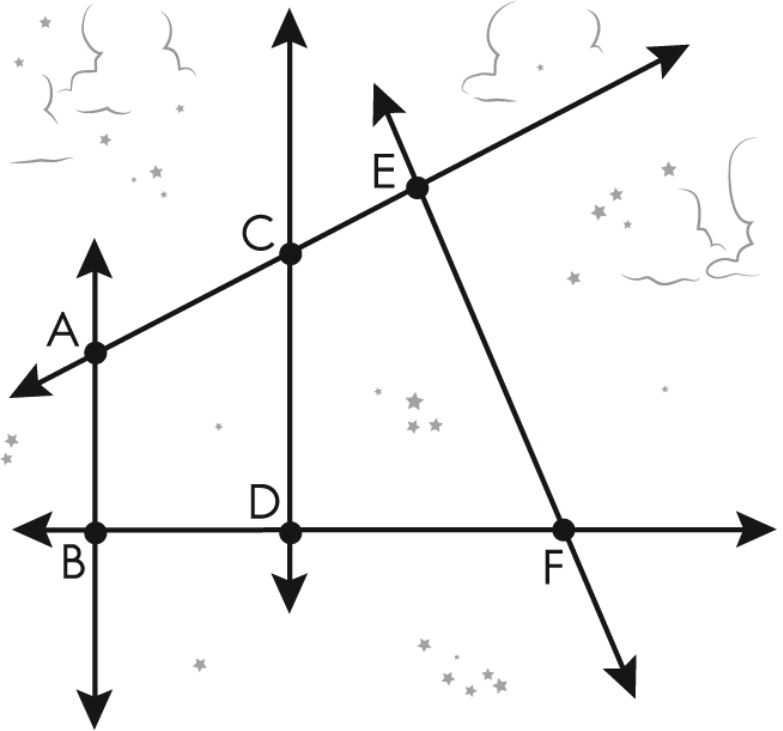
$$? = \underline{\quad}$$

Name: \_\_\_\_\_



Draw and label another point on  $\overleftrightarrow{BF}$ .

Draw and label another point on  $\overleftrightarrow{CD}$ .



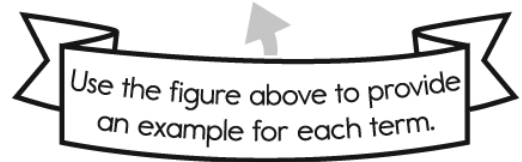
POINT: •

LINE:  $\longleftrightarrow$

LINE SEGMENT: —

RAY:  $\longrightarrow$

PLANE:



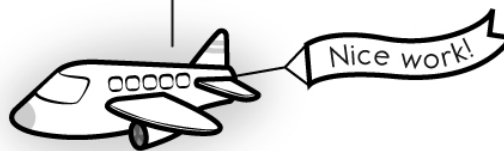
LINE:

RAY:

POINT:

PLANE:

LINE SEGMENT:



	Point	Line	Line Segment	Ray	Plane*
Example:					
Symbol:	A	$\overleftrightarrow{AB}$	$\overline{AB}$	$\overrightarrow{AB}$	ABF

\* A plane can be defined by three points it contains, as long as they are not on the same line.

Name: \_\_\_\_\_

$$6 + \frac{3}{4} - \frac{2}{5} =$$

$$48 - \frac{1}{7} =$$

Reduce  $\frac{7}{14}$  to its lowest terms.

$$7 - \frac{3}{4} - \frac{10}{11} =$$

Reduce  $\frac{15}{40}$  to its lowest terms.

Reduce  $\frac{45}{80}$  to its lowest terms.

Reduce each fraction to its lowest terms.

$$\frac{14}{28} = \frac{6}{18} =$$

$$\frac{2}{12} = \frac{5}{15} =$$

$$\frac{42}{90} = \frac{7}{63} =$$

Change  $\frac{255}{35}$  to a mixed number.

$$\begin{array}{r} \frac{9}{11} \\ + \frac{6}{11} \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 9 \\ \hline \end{array}$$

Find the difference between 579 and 32.

$$756 + 62 =$$

Name: \_\_\_\_\_

1 is written with an I.

5 is written with a V.

10 is written with an X.

50 is written with an L.

100 is written with a C.

You cannot have 4 of the same letter consecutively.

4 is written as IV.

9 is written as IX.

40 is written as XL.

So you cannot write 44 like this: XXXXIIII.

But you would write 44 like this: XLIV.

Write the number as a Roman numeral and then find the Roman numeral.

## Roman Numerals

I = \_\_\_\_\_

IV = \_\_\_\_\_

V = \_\_\_\_\_

IX = \_\_\_\_\_

XII = \_\_\_\_\_

XIV = \_\_\_\_\_

XVI = \_\_\_\_\_

XIX = \_\_\_\_\_

XXII = \_\_\_\_\_

2 \_\_\_\_\_  
XXXIVIIIVXV  
IIIXXIIIXLIX

7 \_\_\_\_\_  
XVIIIXIIIVII  
IVIIIVIIIXII

1 I \_\_\_\_\_  
XXIIIIIIIIIII  
XIIIXVVXXX

8 \_\_\_\_\_  
IVIIIIIXLIII  
IVVIIIIIXIV

5 \_\_\_\_\_  
VVIIIVIIIXL  
XIVXLIVIVL

9 \_\_\_\_\_  
XVIXXXVVI  
IXXLIXXVIII

10 \_\_\_\_\_  
XXXIIIXXIIII  
XVXVVIXVV

14 XIV \_\_\_\_\_  
XIIIXIVVXIII  
XIVIIIIIXXVI

24 \_\_\_\_\_  
XIIXXIVXXIX  
XVXXIVVIII

19 \_\_\_\_\_  
XXILVLXIXV  
XXLVXIXXIII

34 \_\_\_\_\_  
XIXXXIVIXLX  
XXXXIVXIIIV

31 \_\_\_\_\_  
XXXIVIVIIII  
XXXIIIVIIIX

41 \_\_\_\_\_  
XLXLIXXXIXV  
XXLIIXLIXXII

18 \_\_\_\_\_  
XLVIXXVIII  
XIIIXVIIIIVX

45 \_\_\_\_\_  
IXLVXXXVII  
IXXXLVXIVV

56 \_\_\_\_\_  
LVIXIIIXVII  
LVIVIIIVIVI

Name: \_\_\_\_\_

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

# Mental Math



= Do it  
in your  
head!

imagine 3 in your head

multiply 5

subtract 8

Write the number.

\_\_\_\_\_ **A**

imagine 6 in your head

multiply 3

add 1

add 8

add 2

subtract 6

Add the tens digit to the ones digit.

Write the sum.

\_\_\_\_\_ **B**

imagine 6 in your head

multiply 9

double it

add 9

Write the ones digit.

\_\_\_\_\_ **C**

imagine 7 in your head

double it

add 8

subtract 9

add 7

Write the ones digit.

\_\_\_\_\_ **D**

What is the sum?

**A + B + C + D**

\_\_\_\_\_

Wow! Great job! That's the answer, but do you know how to SPELL the number?

\_\_\_\_\_ **e** \_\_\_\_\_ **e** \_\_\_\_\_ **n**

8 after 16 \_\_\_\_\_

3 before 18 \_\_\_\_\_

2 after 12 \_\_\_\_\_

9 after 15 \_\_\_\_\_

6 before 11 \_\_\_\_\_

3 after 18 \_\_\_\_\_

4 after 13 \_\_\_\_\_

2 before 14 \_\_\_\_\_

7 after 14 \_\_\_\_\_

Name: \_\_\_\_\_

# Can you guess the word?

No duplicate letters can be used.

**F** R O W N

The letter F is in the word  
and is in the correct spot.

C **A** B L E

The letter A is in the word,  
but A is not in that spot.

A B C D E F G H I J K L

A list of letters will be given that  
have not been used. Good luck!

Hint: There are no duplicate letters in the answer.

**T** **H** **R** **O** **W**

**C** **H** **A** **R** **T**

B D E F G I J K L M N P Q S U V  
X Y Z

Let's check if you guessed correctly. Look across or  
down to find the correct answer.

W H H I R H H Z T T C A T F H F S O I  
S T A C U A S O H T I W C W S H P J T  
H R H H F H T Y Y S C H C Z H V S O A  
H T I D T E O R R G T S T R S H I S H  
S T R T O J D R B H H E T R S T I K W  
T H R O W C T R C H A R T U T W T C H  
C A H Z O T H W S H I R T R T J W H H  
A T H H T S R R A T H T H H T U H I R

Hint: There are no duplicate letters in the answer.

**T** **A** **P** **E** **R**

**B** **R** **E** **A** **D**

**G** **R** **A** **Z** **E**

C F H I J K L M N O Q S U V W X  
Y

Let's check if you guessed correctly. Look diagonally  
to find the correct answer. (DIAGONAL!)

S E A A T R X E E P R F R T U  
U P B R B A L K B L G G E U D  
R M P R G R P T E Z Z P V U E  
R R R D T U E E G B E B T E E  
R R O G I E E A R U G E E W U  
L E F H R R U V D E E F N B M

Hint: There are no duplicate letters in the answer.

**W** **A** **I** **S** **T**

**P** **I** **N** **C** **H**

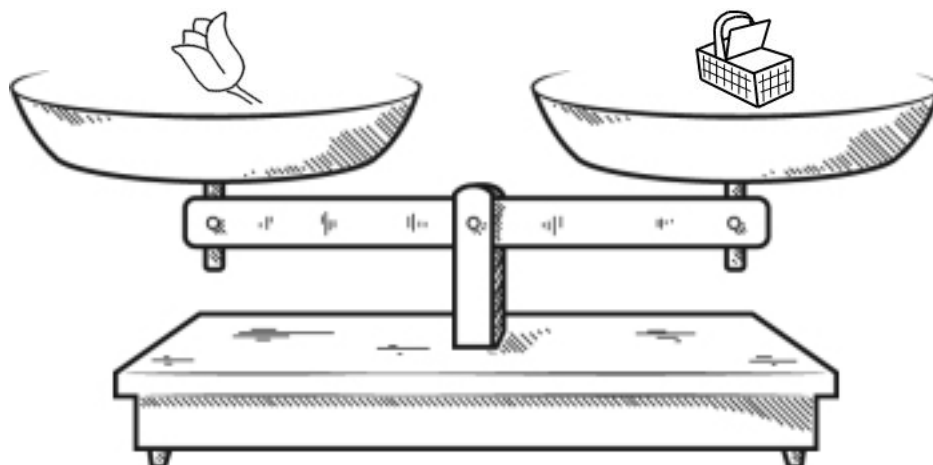
**Y** **I** **E** **L** **D**

B F G J K M O Q R U V X Z

Let's check if you guessed correctly. Look diagonally  
to find the correct answer. (DIAGONAL!)

X X H F D Y R Y F R C N R T F R T H K  
E F F R I N I I P F P I F L I I Q Y D  
A I I F P R H E W C D I C Q I D R D R  
P E F I X I V I L E F I N A P E F E H  
L Y I C I P T J F D A P W C H I R P D  
D R L F R I N Q R P R P C I H I H T E

Name: \_\_\_\_\_



☐ True
 ☐ False

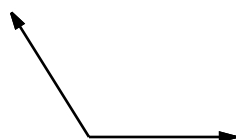
☐ True
 ☐ False

☐ True
 ☐ False

☐ True
 ☐ False

☐ True
 ☐ False

Did you find that one is true? If not, look again!  
You should only mark TRUE if you are absolutely sure it is correct!



What kind of angle is this?

Sketch 2 lines  $\overleftrightarrow{AB}$  and  $\overleftrightarrow{UV}$  that are intersecting.



Name: \_\_\_\_\_

Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 4.

Every row must contain the numbers 1, 2, 3, and 4.

Every column must contain the numbers 1, 2, 3, and 4.

In a cage with a plus sign, the given number will be the sum of all the digits in the cage.

In a cage with a subtraction sign, the given number will be the difference. The largest number will always be the box with the clue.

12+			7+
1234	1234	1234	1234
3-			
4	2	3	1234
		6+	2-
1234	1234	1234	1234
4+			
1234	1234	1234	2

Fill in the blanks. These equations are from the puzzle above.

$$\underline{\quad} + \underline{\quad} + 2 + \underline{\quad} + \underline{\quad} = 12$$

$$\underline{\quad} - 2 = 2$$

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

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

$$2 + \underline{\quad} = 6$$

$$4 - \underline{\quad} = 3$$



It's NO PREP at edHelper.

More history!



# edHelper.com!



New online math games!



New ideas!



$\times$   $=$   $-$   $\div$   $<$   $>$

More puzzles!



