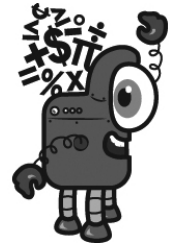


Name: _____

Mental Math

— #1 —



▶ Start with the number 501.

501

▶ Round that number to the nearest ten.

2 7 9 4 3 5 0 0 8 9 (Circle your answer to double check you are correct.)

▶ Add the digits in your number. The sum of that is your new number.

5 1 7 0 2 5 3 5 4 3

▶ Add the number of inches in 1 foot.

5 9 4 1 7 9 8 8 2 7

▶ Add the digits in your number. The sum of that is your new number.

5 4 9 6 8 4 8 2 2 6

▶ Multiply by 4.

4 3 2 7 1 4 7 0 8 7

▶ Add the number of nickels in a dollar.

5 2 6 4 8 6 7 4 9 3

▶ Subtract 25.

5 3 2 7 4 6 7 2 9 2

▶ Add a half dozen.

3 3 7 1 3 3 9 0 6 3

▶ Divide by 3.

4 4 2 8 9 6 3 1 1 4

▶ Triple that number.

2 1 3 6 6 4 3 3 1 2

Name: _____

What number multiplied by -4 results
in a product of -16 ? _____

When you take some number and subtract -54 from it,
the difference is 78 . What is the number? _____

Write the decimal number
for:
eighty-three thousandths

$$\begin{array}{r} 3 \\ 2 \\ + 7 \\ \hline \end{array}$$

Reduce $\frac{3}{15}$ to its lowest
terms.

Change 45% to a decimal
and a fraction expressed in
its lowest terms.

$$\begin{array}{r} 16.1 \\ + 7.85 \\ \hline \end{array}$$

Change $\frac{140}{72}$ to a mixed
number.

Name: _____

In art class, the teacher asked the class to draw a rectangle.

Mrs. Jackson is not just the art teacher but also the math teacher. She loves to talk numbers! She explained, "I don't want to give you the exact size, but the ratio of one of the sides of your rectangle to the side next to it should be 6 to 2. Each side of the shape must have a length that is a whole number of inches."

Sarah wants to draw the biggest rectangle on her 17.5-inch by 24.5-inch piece of paper.

What size should she draw the rectangle?

Find the sum of 59, 34, and 28.

99 is what percent of 180?

Find 55% of 200.

$$\begin{array}{r} 3 \frac{4}{8} \\ 4 \frac{7}{8} \\ + 9 \frac{4}{8} \\ \hline \end{array}$$

Write the decimal in words.
 16.001

$$\begin{array}{r} 3 \\ 162 \\ 557 \\ + \quad 1 \\ \hline \end{array}$$

Name: _____

| | |
|---|--|
| <p>Write an equation to represent this:</p> <p>The product of ten and five is fifty.</p> <p>_____</p> | <p>Jenna rolls two dice. What is the chance of her rolling a 2 on one die and a 6 on the other die?</p> <p>_____</p> |
|---|--|

| | | |
|--|---|---|
| <p>Mary went to a restaurant. Her bill was \$23. She wanted to give the food server a 20% tip. The tip came to \$4.60. Today her family went out. The bill was \$68. If her family wants to give the same 20% tip, how much will the tip be?</p> | $\begin{array}{r} 343 \\ + 328 \\ \hline \end{array}$ | <p>$8 \times 3 =$ _____</p> |
| | | $\begin{array}{r} 663 \\ - 404 \\ \hline \end{array}$ |

| | |
|---|--|
| <p>Write the missing family fact.</p> <p>$58 - 30 = 28$ $58 - 28 = 30$ $28 + 30 = 58$</p> <p>_____</p> | <p>Maria rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being six?</p> |
|---|--|

| | | |
|--|---|---|
| <p>$1 \text{ cm} = 10 \text{ mm}$</p> <p>$26 \text{ cm} =$ _____ mm</p> | <p>Holly took three numbers greater than 1 and multiplied them. One number was five and the other number was thirteen. Of course, she forgot the last number, but she remembered the product was 260. Is this possible?</p> | $\begin{array}{r} 28 \\ + 38 \\ \hline \end{array}$ |
| <p>$24 \div 3 =$ _____</p> | | |
| <p>$2 \times 2 =$ _____</p> | | |

| | |
|---|---|
| <p>$8,328 + 8,374 =$ _____</p> | <p>April rolls a die. What is the chance of her rolling a 2?</p> <p>_____</p> |
|---|---|

Name: _____

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

| | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|---|---|
| H | □ | W | □ | C | G | R | B | D | D |
| P | □ | □ | C | P | H | □ | □ | F | □ |
| □ | N | D | C | □ | □ | W | □ | R | L |
| R | T | L | □ | C | S | □ | S | □ | □ |
| T | □ | □ | P | H | T | R | T | N | V |
| Y | □ | G | Y | □ | E | D | L | G | □ |
| B | R | □ | □ | D | T | H | Y | □ | R |
| R | E | S | E | A | R | C | H | I | Y |
| C | □ | N | D | □ | T | □ | □ | N | O |
| S | □ | M | M | □ | D | □ | □ | T | □ |

IMMEDIATE • ACHE • GHOST
BEASTLY • UNTIE • HEW • PARTY
REWARD • BREADTH • FRINGE • IDLE
DELIVERY • RESEARCH • CONDITION
OCCUPY

48 ÷ 12 = _____

3 x 9 = _____

| |
|-------|
| 87 |
| - 17 |
| _____ |

Circle the smallest number:

403,529,718,605 65,712,904
532,467 38,819

Circle the greatest number:

580,796,123
4,873,610,295
592,316
1,807,634

120 ÷ 10 = _____

15 ÷ 3 = _____

Three fancy pens cost \$6. At that rate, what is the cost of 6 fancy pens?

29 lb = _____ oz

18 ÷ 6 = _____

Name: _____

| | |
|---------------------|---|
| $696 - 288 =$ _____ | How many feet are in 9 yards? _____ feet |
|---------------------|---|

| | | |
|-----------------|-----------------------|---|
| $7 \times 12 =$ | $2 \times 12 =$ _____ | Fill in the missing operations to complete this equation: $18 \text{ ____ } 6 \text{ ____ } 23 = 26$ |
|-----------------|-----------------------|---|

| | | |
|---------------------|---|-----------------------|
| $64 \div 8 =$ _____ | The letters E and T each have a line of symmetry. Name another letter between E and T that has a line of symmetry. _____ | $9 \times 11 =$ _____ |
|---------------------|---|-----------------------|

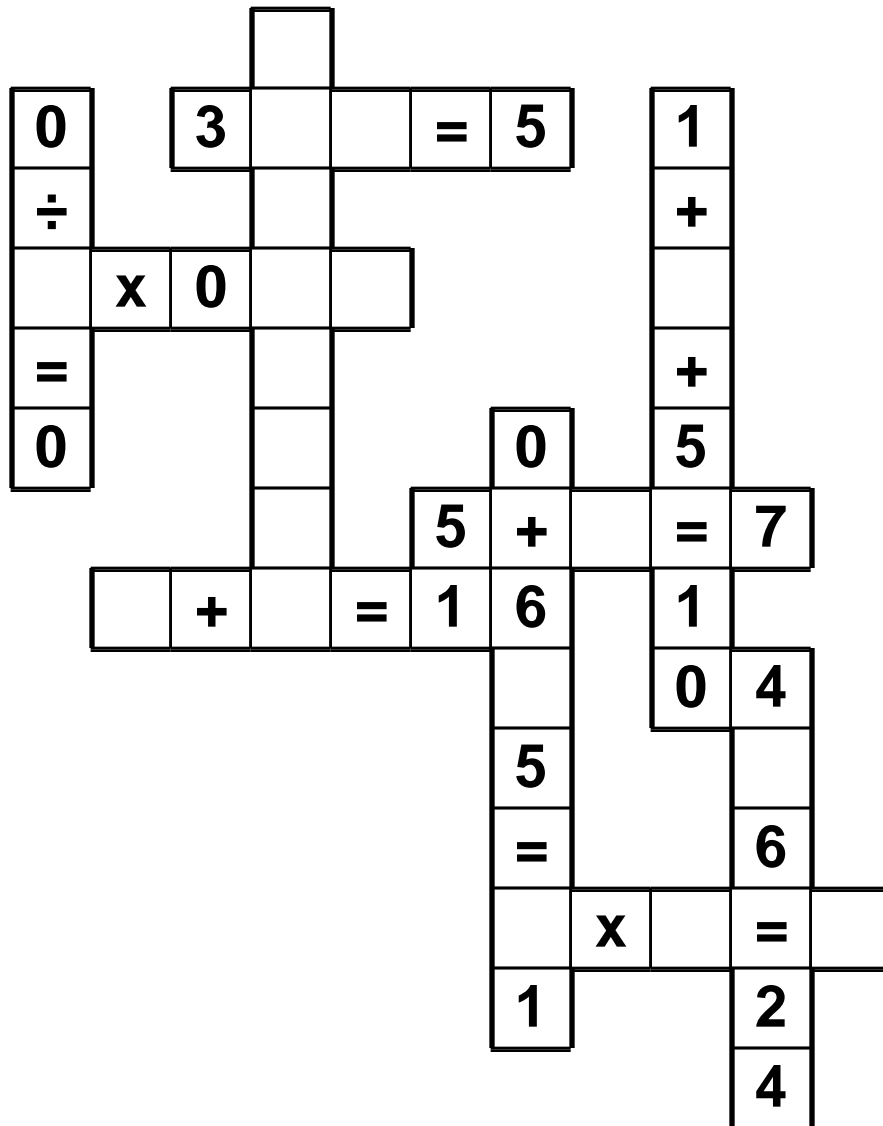
| | | |
|---------------------|---|-----------------------|
| $35 \div 5 =$ _____ | Can 943 be evenly divided by 3? Circle: 943 is evenly divisible by 3 943 is NOT evenly divisible by 3 | $11 \times 9 =$ _____ |
| $6 \times 7 =$ | | |

| | |
|---|--|
| <p>April told Jenna that she multiplied two consecutive whole numbers and the answer is 182. Jenna doesn't believe that is possible. She thinks April must have multiplied wrong. Who is correct?</p> | <p>Mary is playing Sarah in a friendly game of basketball. Mary makes a basket for every three attempts. Sarah needs eight attempts to make a basket. Each basket is worth 2 points because they aren't taking 3-point shots. If they each make 72 attempts, then what is the score?</p> |
|---|--|

Name: _____

8 • + • 2 • 6 • 9 • = • 0 • 4 • 2 • 3 • - • 2 • 7 • 9 • + • x • 1
7 • 7

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



In the number 425,198,392, the digit 5 is in what place?

$3 \times 11 = \underline{\hspace{2cm}}$

$1,713 + 3,996 = \underline{\hspace{2cm}}$

$66,263 - 62,664 = \underline{\hspace{2cm}}$

Name: _____

$$\frac{1}{5} = \frac{20}{100} = \underline{\quad\quad} \%$$

$$\frac{47}{50} = \frac{\quad}{100} = \underline{\quad\quad} \%$$

$$\frac{11}{20} = \frac{\quad}{100} = \underline{\quad\quad} \%$$

$$\frac{3}{50} = \frac{\quad}{100} = \underline{\quad\quad} \%$$

$$\frac{14}{25} = \frac{\quad}{100} = \underline{\quad\quad} \%$$

$$\frac{56}{100} = \frac{14}{25} = \underline{\quad\quad} \%$$

$$\frac{58}{100} = \frac{\quad}{50} = \underline{\quad\quad} \%$$

$$\frac{95}{100} = \frac{\quad}{20} = \underline{\quad\quad} \%$$

$$\frac{44}{100} = \frac{\quad}{25} = \underline{\quad\quad} \%$$

$$\frac{75}{100} = \frac{\quad}{4} = \underline{\quad\quad} \%$$

$$\frac{4}{5} = \frac{\quad}{100}$$

$$\frac{11}{20} = \frac{\quad}{100}$$

$$\frac{8}{25} = \frac{\quad}{100}$$

April put posters on the wall in her room. The posters cover $\frac{3}{10}$ of the wall. What percent of the wall is covered with posters?

Name: _____

Round each number to the nearest hundredth.

$$6,606,323.903 = \underline{\hspace{2cm}}$$

$$3,919,067.88984 = \underline{\hspace{2cm}}$$

$$3,722,961,426.95754 = \underline{\hspace{2cm}}$$

$$6,256,134,033.4622 = \underline{\hspace{2cm}}$$

$$\frac{1}{3} \times \frac{1}{10} =$$

$$2\frac{10}{11} \div \frac{3}{7} =$$

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

$$\frac{2}{10} \times \frac{4}{10}$$

What is the greatest common factor of the numbers 96 and 60?

$y = x + 12$
 $y = 23$
What is the value of x ?



Name: _____

Ready for a challenge? See how long this takes.

My starting time: _____ : _____ and _____ seconds.

My ending time: _____ : _____ and _____ seconds.

$$(7 + 16) + 9 = 2(v + 12)$$

What is the value of v ?

Rewrite in scientific notation.

9,204,000

What is the value of y ?

$$6y + 17 - 2y = -4$$

The unknown value x is a multiple of 5, is greater than 184, and it is divisible by 14. What can be the lowest possible value of x ?

A circle graph has five sections. Only four sections are labeled. The labels are 8%, 14%, 16%, and 16%. What should the missing section be?

What is the area of a rectangle with a length of 40 centimeters and a width that is $\frac{1}{4}$ the length?

How many possible values of w can there be if w is a number between 32 and 45, w is an odd number, and w is evenly divisible by 4?

A circle graph has four sections. Only three sections are labeled. The labels are 35%, 9%, and 6%. What should the missing section be?

Rewrite as an algebraic expression or equation.

Four more than d tripled is forty-five.

Name: _____

Can you guess the word?

No duplicate letters can be used.

S T A B L E

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

S **W** I V E L

The letter W is in the word, but W 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.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I | N | F | O | R | M | | | | | | | | |
| C | R | A | F | T | Y | | | | | | | | |
| F | A | L | T | E | R | | | | | | | | |
| B | D | G | H | J | K | P | Q | S | U | V | W | X | Z |
| | | | | | | | | | | | | | |

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

AAHHFFTFAFTTFRUWGTR
 ANEFFATHERSFAFXRREE
 PATRHTXWPEOYTCRAFTY
 TFALTERBRSTTFLFFERA
 FFFFHTLWTAFAFARJAA
 CRFELANCHFFRRWTDARA

Hint: There are no duplicate letters in the answer.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B | R | I | D | L | E | | | | | | | |
| V | O | L | U | M | E | | | | | | | |
| L | O | A | T | H | E | | | | | | | |
| C | F | G | J | K | N | P | Q | S | W | X | Y | Z |
| | | | | | | | | | | | | |

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

CR LCOBBALDE TREH
 IOAODDRK TOTECTX
 BOENCLBIEVARGRG
 ETALMAEBDBCTERT
 TEIOAOTLTLOAHAC
 HEFENC TELBEATEB

Hint: There are no duplicate letters in the answer.

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V | I | R | T | U | E | | | | | | | | | | |
| L | I | Z | A | R | D | | | | | | | | | | |
| B | C | F | G | H | J | K | M | N | O | P | Q | S | W | X | Y |
| | | | | | | | | | | | | | | | |

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

FVIULRMBIURZNEBILRQ
 ODRPZRYIIRIIITLBADL
 ARDDLAIVLBROBCRVAQV
 PIELAFRBIIZELALRRTE
 URDKBLVLDZRZIRFLIETA
 CDKUIRIRVMTADAMDXXR
 VWVNREDURRAURIRUBHT
 IRBYGEZAANLBEDIAIMK

Name: _____

Welcome to Spelling High. Ready to add ING to words with one syllable?

Write C if a letter is a consonant. Write V if a letter is a vowel.

Y can be tricky. Y is a vowel only if it makes an A, E, I, O, or U sound.

c h o w

C C V C

C V C

WXY Saying, just add ING

CVC Ending so double W
and then add ING

Otherwise just add ING

chowwing or chowing

s t r u m

WXY Saying, just add ING

CVC Ending so double M
and then add ING

Otherwise just add ING

strumming or struming

d r o o l

WXY Saying, just add ING

CVC Ending so double L
and then add ING

Otherwise just add ING

droolling or drooling

s l i m

WXY Saying, just add ING

CVC Ending so double M
and then add ING

Otherwise just add ING

slimming or sliming

s h e d

WXY Saying, just add ING

CVC Ending so double D
and then add ING

Otherwise just add ING

shedding or sheding

f r o w n

WXY Saying, just add ING

CVC Ending so double N
and then add ING

Otherwise just add ING

frownning or frowning

If $z = 6$ and $v = -28$ then
what is the value of s ?
 $10z + 11v + 4v = s$

Circle the greatest amount:

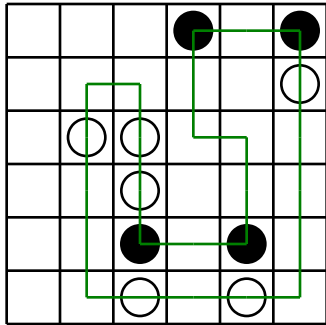
40%

0.22

$\frac{11}{25}$

If $5x = 65$, then $x =$

Name: _____

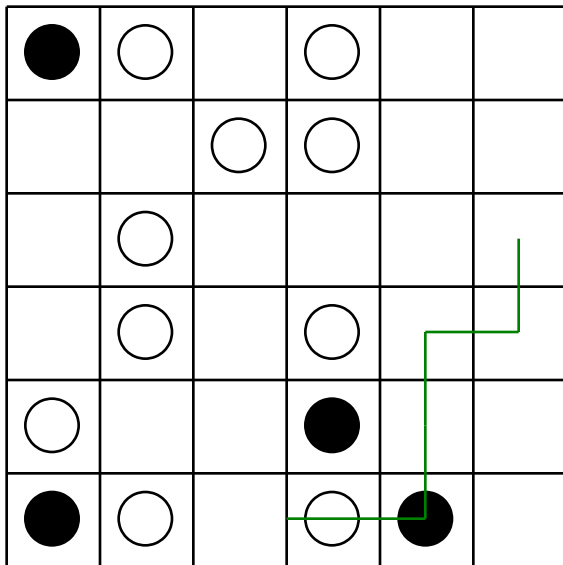


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

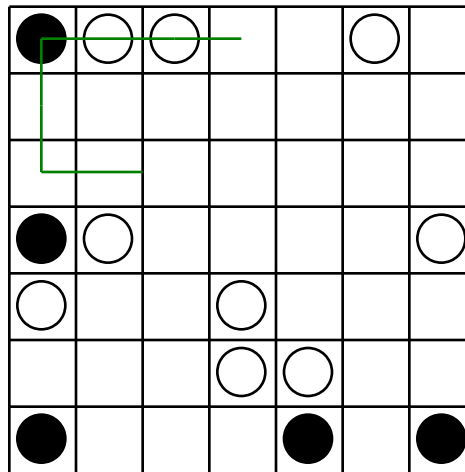
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



What time is 17 hours after 1:00 p.m.?

27% of 100 is 27.
27% of 200 is 54.
27% of 600 is 162.

What is 27% of 800?

$30 \div 3 = \underline{\hspace{2cm}}$

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

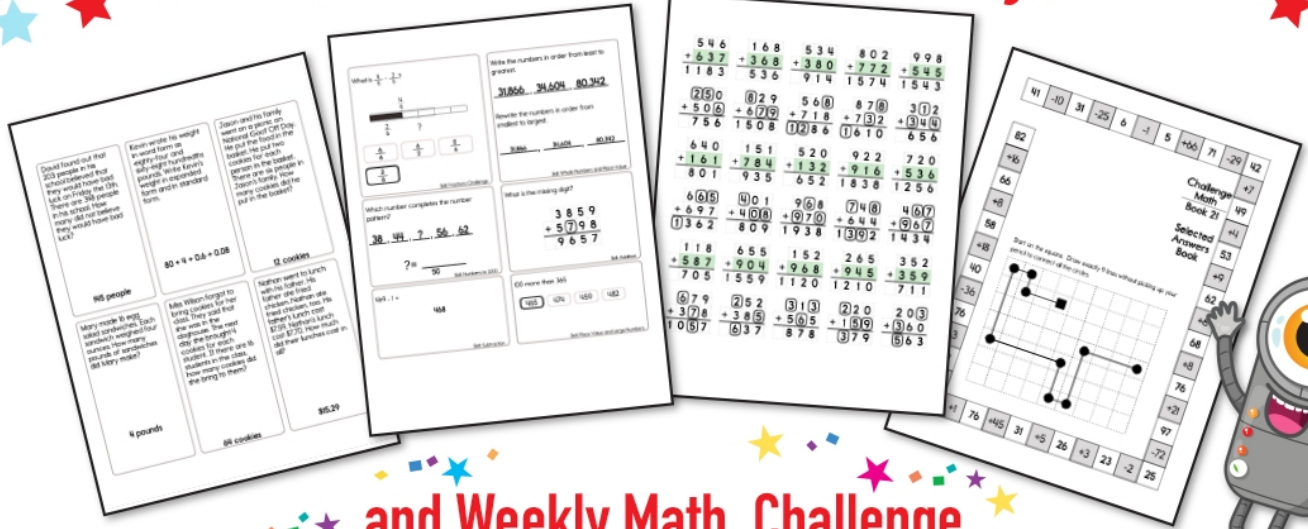
Circle the addition property for $36 + 160 = 160 + 36$.

- associative property
- commutative property

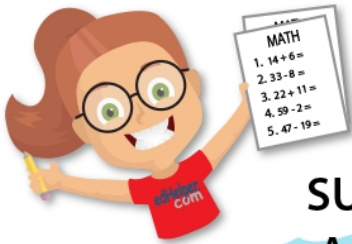
$6,968 - 4,258 = \underline{\hspace{2cm}}$

For 2,291,643,276, write the digit that is in the hundred thousands place.

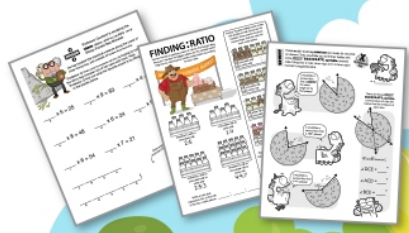
Subscribe to Get Answer Keys



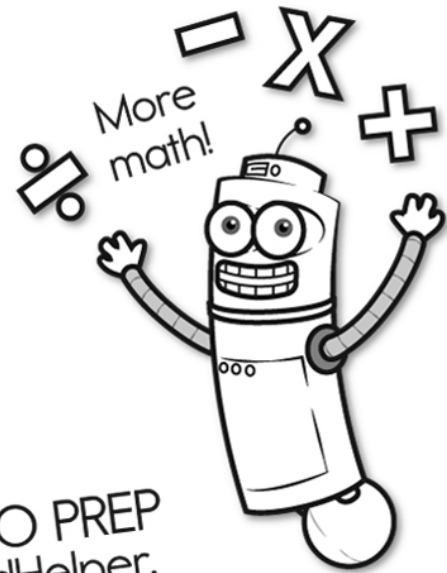
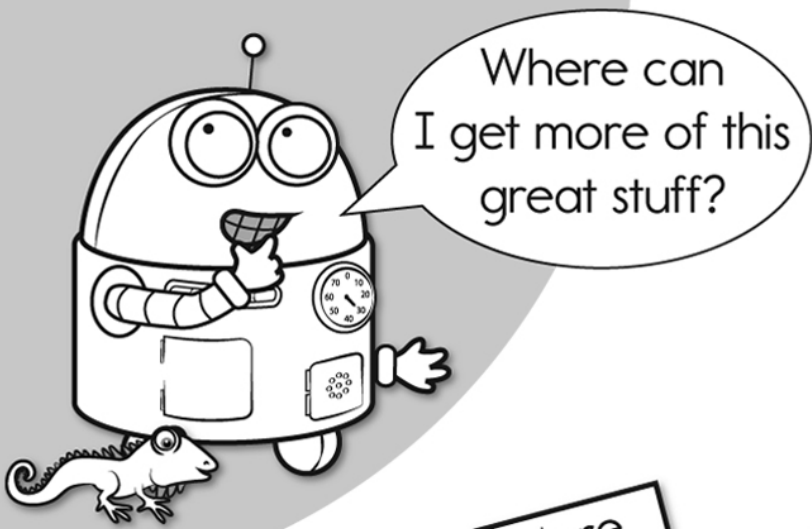
and Weekly Math, Challenge
 Workbooks, Posters, Daily Reading,
 and so much more!



SUBSCRIBE TO RECEIVE EVEN MORE
 Answer Keys • Effective Activities • Access
 to as many printables as you need!



edHelper.com



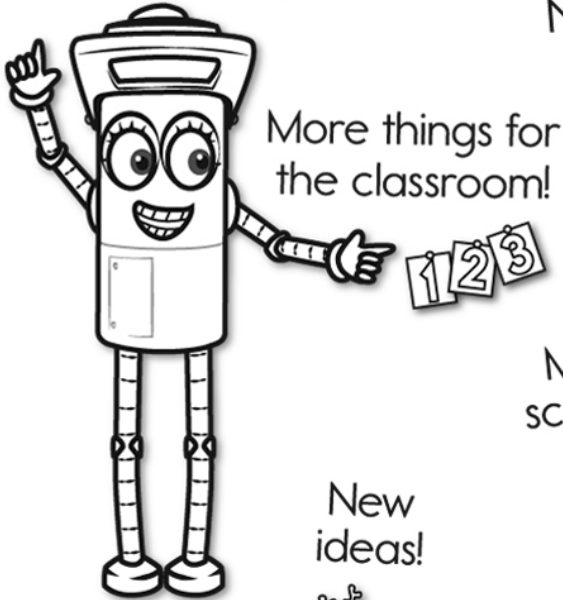
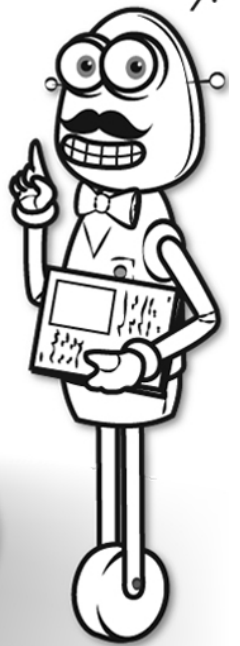
It's NO PREP at edHelper.

More history!



edHelper.com!

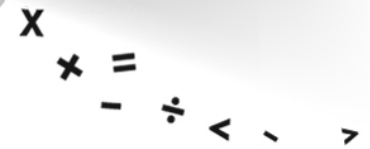
New online math games!



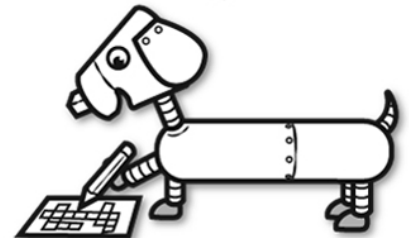
More things for the classroom!



New ideas!



More puzzles!



Take The Boring Out Of Homework!

Easy to
print!

edHelper

Weekly K-6 "Take It Home" Books

Kids want choices
for homework.
"Take It Home" books
have fun graphics and
challenging puzzles and
problems for older kids.

"Dr. Programmer"
challenges kids..

Homework
will never be
the same!

edHelper.com

