Name: _____

Solve for the unknown value. Hint: It is a positive whole number.

$49 + y = 91$ $y =$ _____
$g + 32 = 65$ $g =$ _____
$6z = 24$ $z =$ _____
$58 + g = 101$ $g =$ _____
$g + 59 = 106$ $g =$ _____

Emma lives at the point (-16, 6). She wants to go to the closest mall. There are two malls on the map. Mall AA is at (-13, 9), and Mall BB is at (-4, 16). On the map she can only travel vertically or horizontally, one unit at a time. She cannot go diagonally. So she could go from (1,3) to (1,4) or (1,3) to (2,3), but not from (1,3) to (2,4). Which mall is closer to her?

Name: _____

"Hey, Ted!" called out his friends. But Ted didn't reply. He was texting. They don't call him Texty Ted for nothing! Ted can send 16 texts in 2 minutes and 40 seconds. At precisely 3:12 and 0 seconds, Ted sat outside the school and started to send texts. He sent texts until 3:57 and 0 seconds when his phone ran out of power. How many texts do you think Texty Ted completed and sent?

Know how many inches in a foot? Okay, smarty pants, how many inches in 8 feet?

29 + n = 45

What is the value of n?

C, F, D, H, E, _____, F, L, G, N

30, 7, 36, 11, 42, 15, 48, _____, 54, 23, 60, 27, 66, 31

(10,604,499,373) , (815,730,721) , (62,748,517) , (4,826,809) , (371,293) , (28,561) , (2,197) , _____, (13)

The area of a rectangle is 36 cm^2. What could the length of the 4 sides be?

Name: _____

Consistent Claire loves practicing her free throws. She is so consistent. Every game she gets the same percentage of free throws in the hoop. In the last game she played, Claire made 8 of 12 attempted free throws. In today's game, she attempted 18 free throws. If her percentage for this game is the same as her last game, how many of them went in?

$$\begin{array}{r} 263{,}406 \\ -\ 14{,}799 \\ \hline \end{array}$$

$$\begin{array}{r} 10.4 \\ +19.93 \\ \hline \end{array}$$

Write the decimal number for:

eight hundred eight and six hundred sixty-eight thousandths

$$\begin{array}{r} 7\frac{5}{7} \\ +\ 2\frac{3}{7} \\ \hline \end{array}$$

Find 50% of 148.

$$\begin{array}{r} 57{,}464 \\ 51{,}135 \\ +\ 705{,}717 \\ \hline \end{array}$$

Name: _____

Amy rolls a die. What is the chance of her rolling a 3?

_____

$$\begin{array}{r} 34 \\ +\ 28 \\ \hline \end{array}$$

96 ÷ 8 = _____

10 x 3 =

$$\begin{array}{r} 68 \\ -\ 10 \\ \hline \end{array}$$

Can 821 be evenly divided by 6? Circle:
821 is NOT evenly divisible by 6
821 is evenly divisible by 6

$$\begin{array}{r} 341 \\ +\ 250 \\ \hline \end{array}$$

The product of two consecutive whole numbers is 210. What are the two consecutive whole numbers?

3 x 7 = _____

$$\begin{array}{r} 516 \\ -\ 302 \\ \hline \end{array}$$

For 2,116,318,750,645, write the digit that is in the hundred thousands place.

_____

1 km = 1,000 m

17 km = _____ m

Erin rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being five?

5,167 + 5,861 = _____

Circle the digit in the hundredths place.

985.735

644 + 573 = _____

Name: _____

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

C	R	T	P	P			M	H	B
C	D	R				O			A
S	B		N	N	B	H	R	S	
D	A	N	Y	G	S	C	C	T	T
	C	Q	T			R	H		T
S	K		R	G	L			L	
	W					J	R		M
R	A	L		E	T		D	L	P
V	R	C	D	E		C	C	O	T
	D	T		M		T	G	P	O

DESERVE • TAME • TRIED
ORCHARD • OBSOLETE • ATTEMPT
HOSTILE • POEM • PUNY • REJECT
BACKWARD • ENGAGE • TRANQUIL

How many ounces are in 9 pounds?

_____ ounces

9,321 - 5,761 = _____

60 ÷ 5 = _____

10 ÷ 2 = _____

77 ÷ 11 =

Here is a pattern of letters:

J S S H P J S S H P J S . . .

What letter will be the 24th term in the pattern?

21 ÷ 3 =

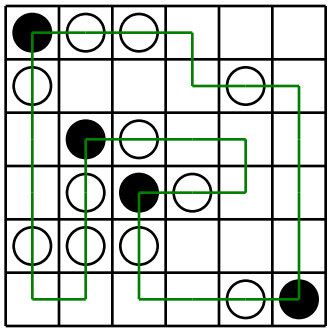
18 kg = _____ g

Circle the addition property for 24 + 139 = 139 + 24.

associative property
commutative property

8 x 5 = _____

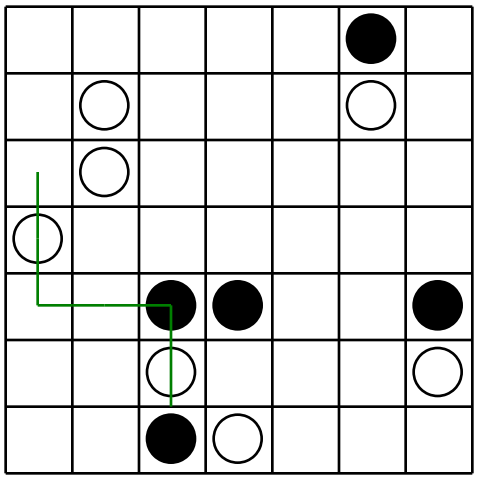
Name: _____



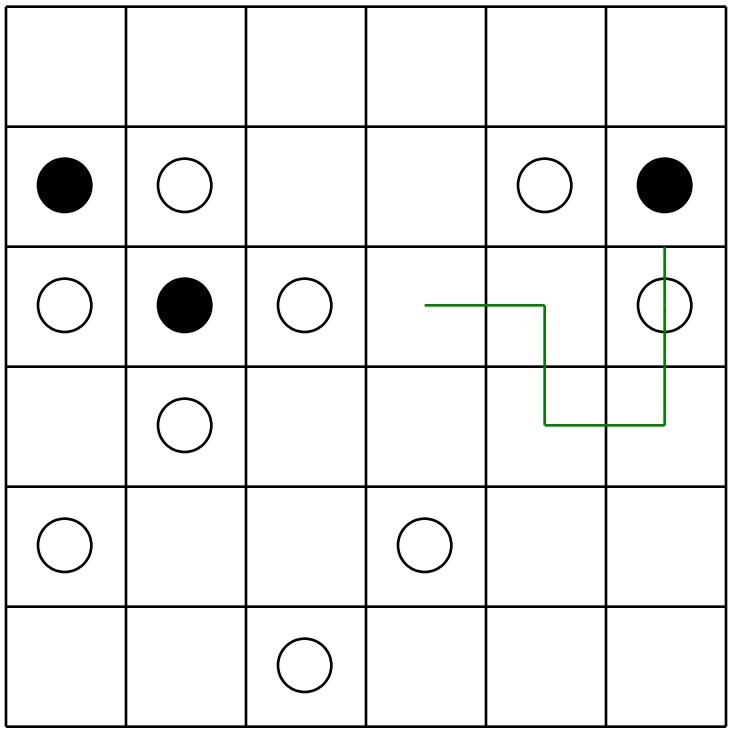
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



In the number 8,622,361, the digit 1 is in what place?

_____

9,629 + 6,523 = _____

70 ÷ 7 = _____

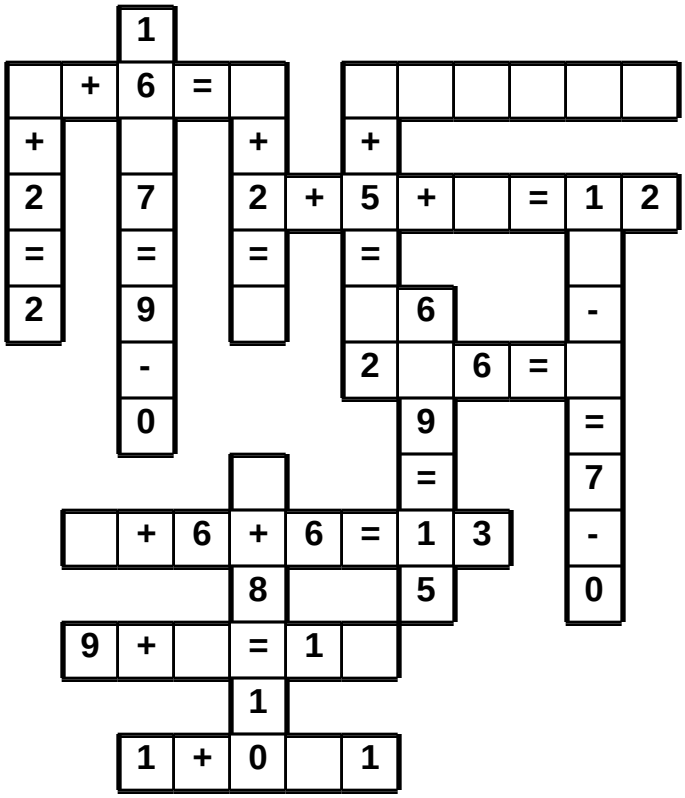
Two-sixths of the children in Smith's class want to go outside. If Smith agrees with the majority, will the class stay inside or go outside?

49 ÷ 7 = _____

Name: _____

0 • 6 • 7 • + • 8 • = • 1 • 5 • - • 5 • 5 • 8 • 1 • + • 8 • 2 • 1 • 6 • 5 • =

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



Megan cannot open her locker. She knows that the three numbers are: 39, 18, and 19, but she cannot remember the order of the numbers. How many different combinations are there? List ten of them.

Jessica took three numbers greater than 1 and multiplied them. One number was five and the other number was eighteen. Of course, she forgot the last number, but she remembered the product was 1350. Is this possible?

word root **ium** can mean **an element** **sodium, radium**

Name: _____

Hannah, Taylor, Joseph, and Isaac each went on vacation with their father (Justin, Nicholas, Michael, and Jacob). They each traveled to a different country (Denmark, Chile, Sudan, and Austria).

Figure out each person's father and the country they visited.

1. Hannah's trip was to a different continent than Michael's trip.
2. Jacob went to either Europe or South America.
3. Before the vacation, Taylor and Hannah saw Isaac's dad, Nicholas, at the mall.
4. Jacob did not go to Sudan.
5. Jacob went to either Austria or Sudan.
6. Justin and Jacob went on vacation to the same continent.
7. Michael did not go to Chile.
8. Michael went to either Africa or South America.
9. Taylor's trip was to a different continent than Michael's trip.
10. Before the vacation, Hannah and Joseph saw Taylor's dad, Justin, at the mall.

Hannah's father's name is _____. They went on vacation to _____.

Taylor's father's name is _____. They went on vacation to _____.

Joseph's father's name is _____. They went on vacation to _____.

Isaac's father's name is _____. They went on vacation to _____.

64,138 - 21,229 = _____	33 ÷ 3 = _____	50 ÷ 10 =
32 ÷ 8 = _____	(8 + 5) + 6 =	2 x 4 = _____

Name: _____

Write the reciprocal.
10

Write the reciprocal.

$\frac{20}{4}$

$2\frac{1}{6} \times 2\frac{2}{9} =$

12 + -1 = ____

12 - 1 = ____

12 + -8 = ____

12 - 8 = ____

What is the number that is 2 less than 1?

$$\begin{array}{r} 0.88 \\ -\,0.377 \\ \hline \end{array}$$

0.44 + 2.5 + 0.3 =

$$\begin{array}{r} 0.4 \\ 0.1 \\ +\,0.8 \\ \hline \end{array}$$

What kind of angle is this?

Sketch 2 lines $\overleftrightarrow{CD}$ and $\overleftrightarrow{XY}$ that are perpendicular.

-24 + 18 =

-8 - 5 =

-9 + -5 =

Name: _____

4 + r = 15

r =

k + 12 = 20

k =

Write an algebraic expression to

get the product of 12 and y.

Write an algebraic expression to

subtract 41 from s.

Compare each pair of numbers or expressions using >, =, or <.

-71 ◯ -73

64 ◯ -64

6 ÷ 3 ◯ 3 ÷ 6

693,506 ◯ 802,491

418.641 ◯ 302.891

18 - y = 12

y =

k - 7 = 11

k =

Write an algebraic expression to

subtract 93 from m.

The sum of 28 and z is 63.

What is the value of z?

What is 5k + 81

when k = 3?

Simplify 5y + 8y.

What is the value of the simplified equation when y = 4?

Simplify 8s - 5s.

What is the value of the simplified equation when s = 2?

Name: _____

0.7 (0.4 (0.7 x 6)) =

(0.8)(0.15)

3 + 11 x 3 + 7

22 - 11 + t = 25
What is the value of t?

What is the greatest common factor of the numbers 70 and 56?

2, 4, 12, 24, 32, _____,

__, __, __, __, __

A circle graph has four sections. Only three sections are labeled. The labels are 41%, 32%, and 4%. What should the missing section be?

Rewrite as an algebraic expression or equation.

Eight more than h tripled is ninety.

How many possible values of w can there be if w is a number between 37 and 54, w is an odd number, and w is evenly divisible by 4?

0.0004 x 0.6

Rewrite in scientific notation.

780,900,000,000

$7 \times 7 \times 7 \times 7 \times 7 = 7^x$

What is the value of x?

(9 + 18) + 5 = 2(v + 13)

What is the value of v?

0.5 x 0.8

0.8 (0.6 (0.8 + 3)) =

Name: _____

Find the least common denominator.

$\frac{13}{24}$ and $\frac{69}{72}$

Find the least common denominator.

$\frac{4}{8}$ and $\frac{7}{9}$

$$\begin{array}{r} \frac{6}{12} \\ -\ \frac{1}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 4\frac{3}{10} \\ -\ 2\frac{9}{10} \\ \hline \end{array}$$

Reduce $\frac{8}{20}$ to its lowest terms.

Change $\frac{222}{90}$ to a mixed number.

$\frac{5}{8} \times \frac{3}{4} =$

Write the reciprocal.

$\frac{5}{6}$

$2 \times \frac{5}{6} =$

Write the reciprocal.

$\frac{11}{19}$

Write the reciprocal.

$\frac{22}{1}$

Write the reciprocal.

17

Name: _____

$66\overline{)1320}$ $22\overline{)528}$ $30\overline{)810}$ $48\overline{)1440}$

$18\overline{)95}$ $28\overline{)504}$ $30\overline{)360}$ $10\overline{)612}$

$4\overline{)13.6}$

Change $\frac{34}{50}$ to a decimal.

$9\overline{)30.6}$

t - 13 + 11 = 24
What is the value of t?

5 x 24 ÷ 4

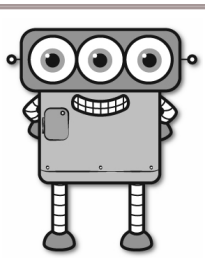
2 + 12 + (12 x 1) + 10

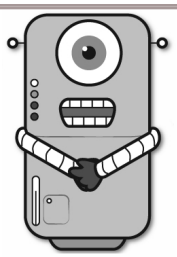
Each side of a regular pentagon is 13.5 centimeters. What is the perimeter?

9 + 10 x 4 + 11

5 + (28 ÷ 4) - 15 ÷ 3 =

Name: _____


Emily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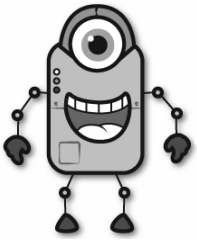
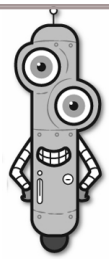
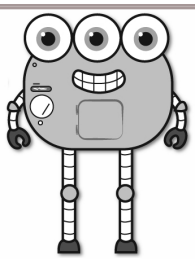
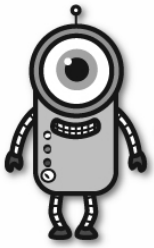

Gavin


Adam


Jack


Hunter

Facts

Gavin is fifty-eight years older than Emily.

Jack is eight years older than Rose.

Rose is forty-six years older than Emily.

Emily is eight years old.

Hunter is twice as old as Emily.

Adam is forty-three years older than Emily.

How old is Emily? _____

How old is Rose? _____

How old is Gavin? _____

How old is Adam? _____

How old is Jack? _____

How old is Hunter? _____

What number is halfway between 3 and 11?	6 x 4 =	5 x 3 = _____

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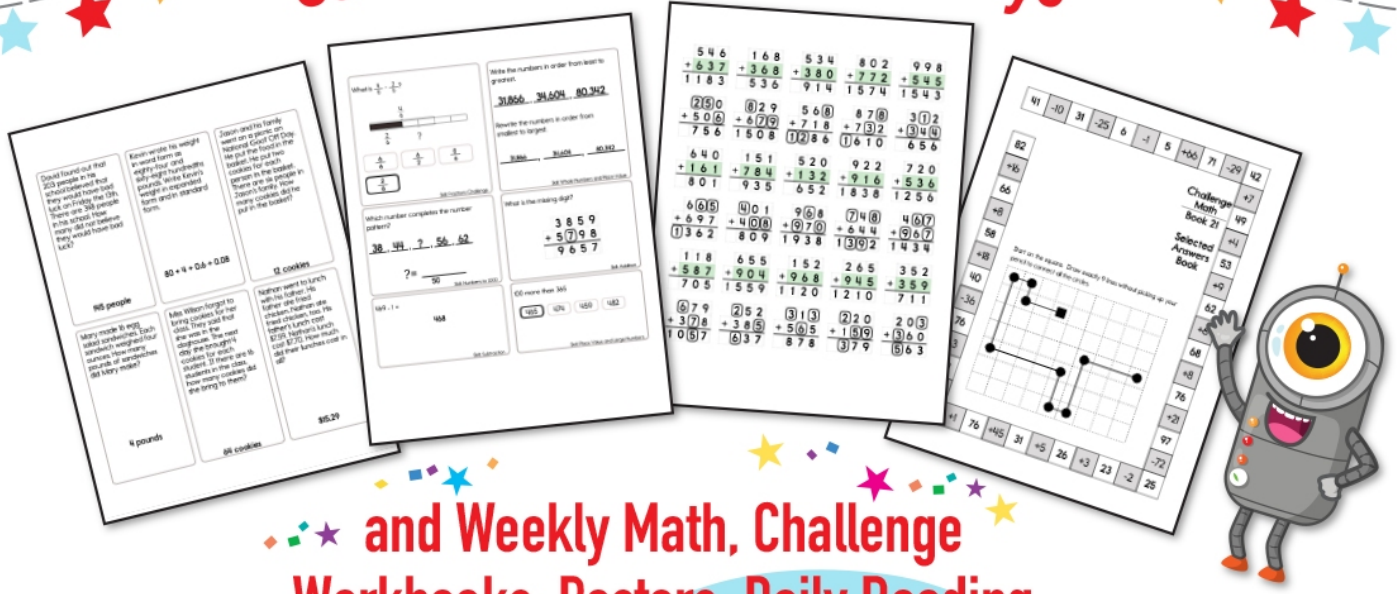

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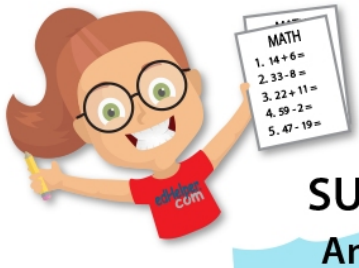

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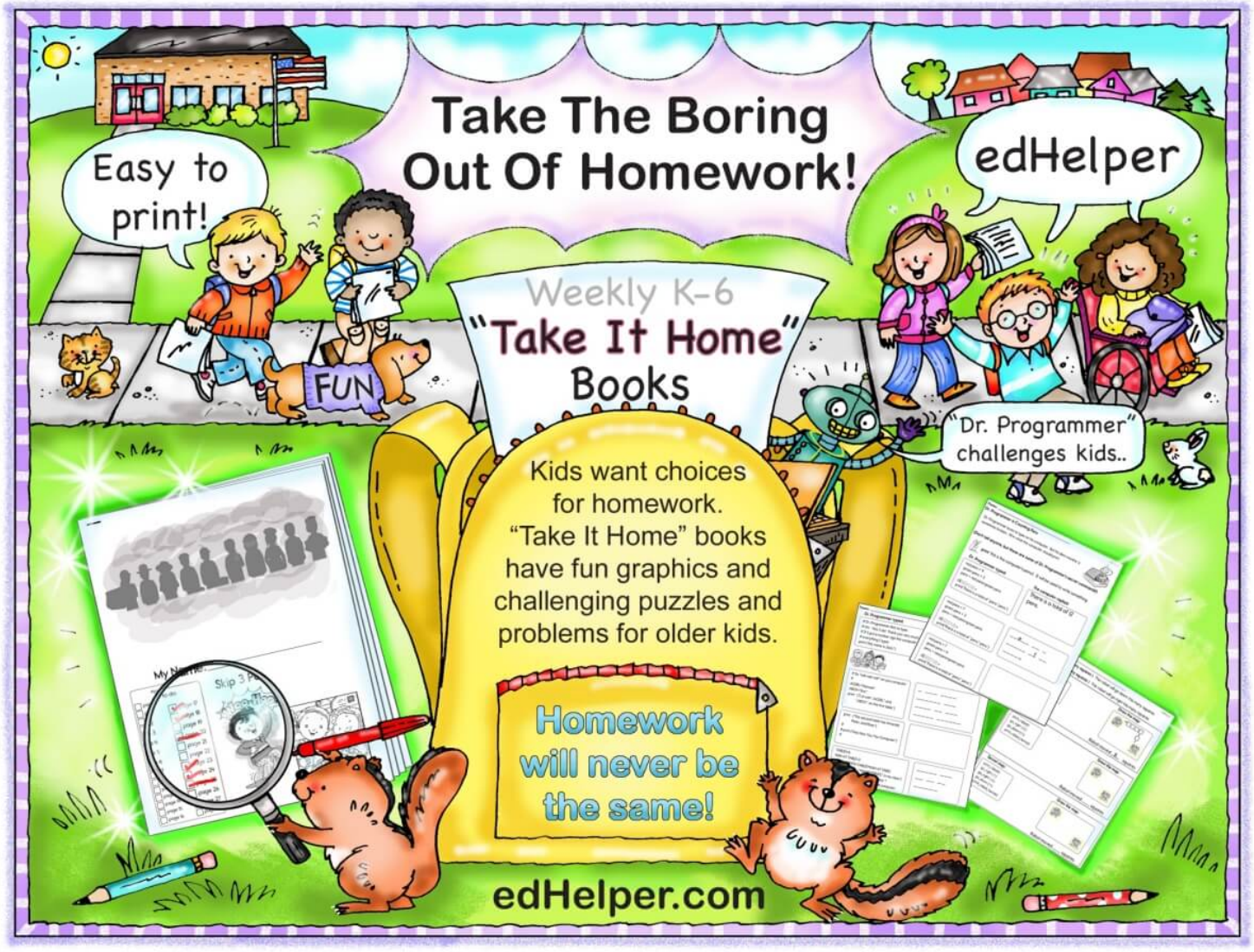
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