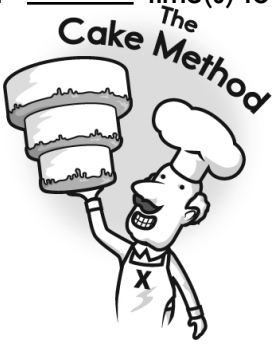
MathWorksheets.com
Week of September 29

Name: _____

Get a fidget spinner! Spin it.

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



Find the GCF using the Birthday Cake method.

5 | 35 30
7 6

GCF: 5

4 | 28 20

GCF: _____

2 | 192 120

GCF: _____

4 | 20 36

GCF: _____

45 42

GCF: _____

21 33

GCF: _____

40 24

GCF: _____

MathWorksheets.com
Week of September 29

Name: _____

Spin again.

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

Find the GCF using the Birthday Cake method.

2 | 66 48 30 3 | 33 24 15 11 8 5 GCF: 2 x 3 = 6	2 | 60 36 66 3 | 30 18 33 GCF: _____
4 | 20 32 36 GCF: _____	5 | 50 120 90 GCF: _____
168 180 108 GCF: _____	300 150 210 GCF: _____

Name: _____

The mass of Anne's notebook was 1 kilogram. She took out 353 grams of used paper. What was the mass of the notebook then?

There are 24 books on the shelf. All of the books are either about Winston Churchill or Queen Elizabeth. There are twice as many books about Winston Churchill than there are about Queen Elizabeth. How many books are there about Winston Churchill?

Fill in the missing numbers.

0.04667 x _____ = 466.7

0.4667 x _____ = 466.7

46.67 x _____ = 466.7

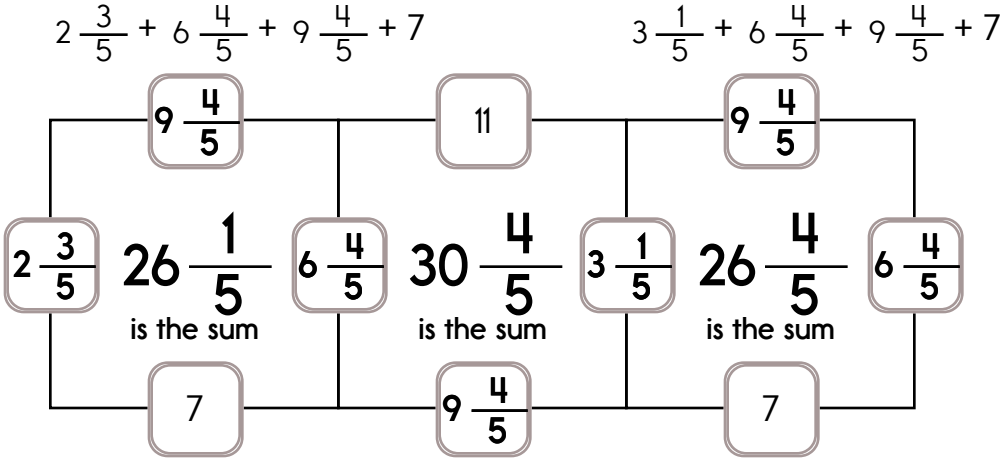
Jessica likes to run. She used a running app on her phone in January. During the month, she ran an average of 2.7 miles per day. How many miles did she run for the entire month?

word root **cor** can mean **heart** **courageous, concord**

Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

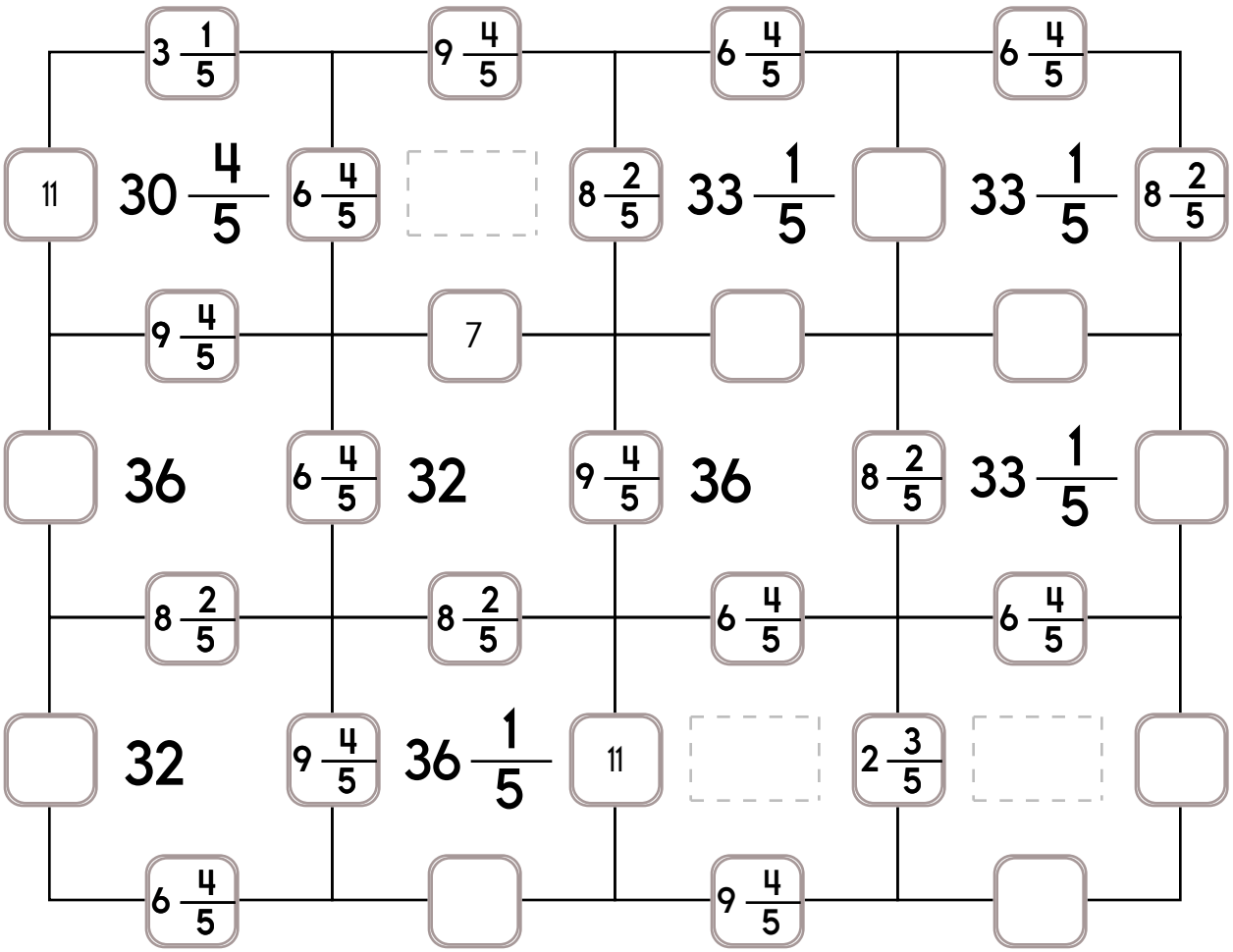
Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $2\frac{3}{5}$, $8\frac{2}{5}$, or $3\frac{1}{5}$.

The other three numbers have to all be DIFFERENT and must be from these: 11, 7, $9\frac{4}{5}$, or $6\frac{4}{5}$.

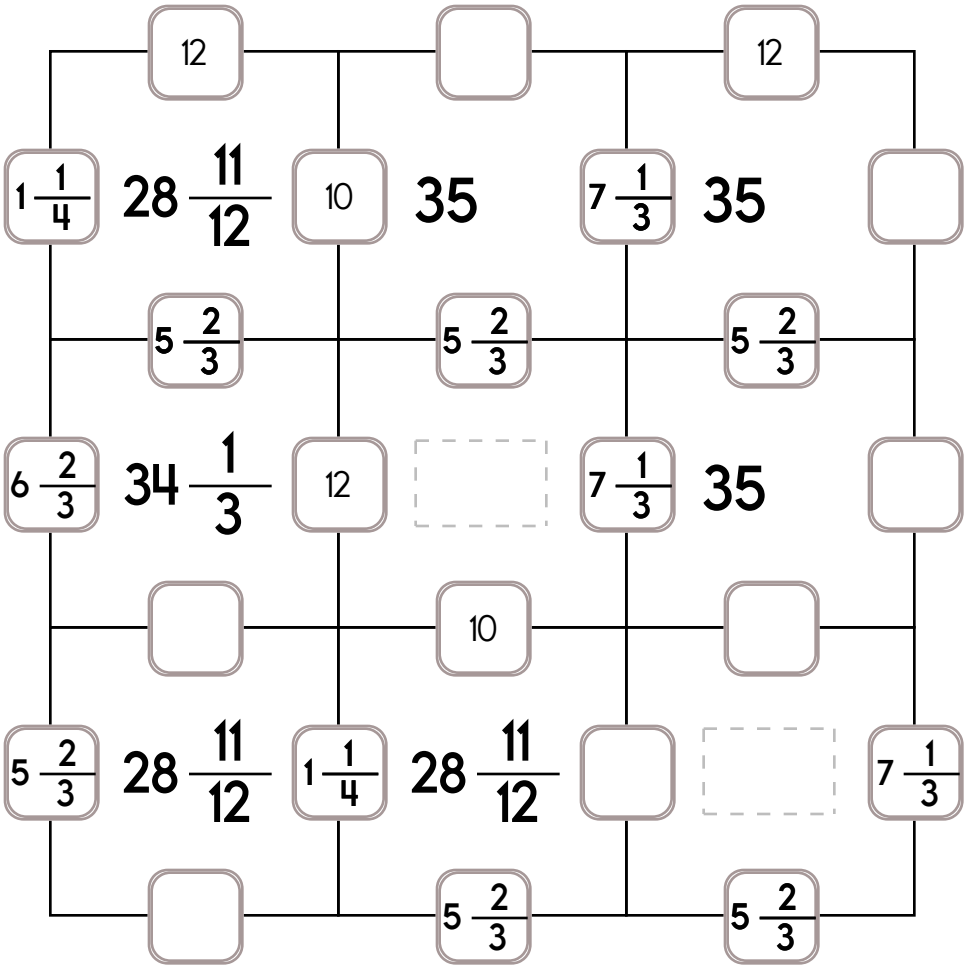


Name: _____

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $7\frac{1}{3}$, $1\frac{1}{4}$, or $6\frac{2}{3}$.

The other three numbers have to all be DIFFERENT and must be from these: 10, 12, $7\frac{1}{3}$, or $5\frac{2}{3}$.



___ - 5 = 3

What is the missing number?

x - 6 = 2

What is the value of x?

6 + ___ = 42

What is the missing number?

7 + x = 24

What is the value of x?

What is the greatest common factor of 12, 30, and 45?

Name: _____

There are 7 gallons of ice cream in the freezer. Miss Walker can make 81 single-scoop ice cream cones from 7 gallons. How many single-scoop cones can she make from $1\frac{3}{4}$ gallons?

The principal of your school wants to buy forty-four books. Each book costs $6.07. She wants to estimate how much it will cost. Show her how you would estimate the cost:

7 cm = _____ mm

$$\begin{array}{r} 421 \\ +\ 269 \\ \hline \end{array}$$

Six kids and three adults are going to the circus. Kid's tickets are on sale for only half the price of adult tickets. The total cost is $60. How much is one kids ticket? How much is one adult ticket?

8 x 9 =

$$\begin{array}{r} 655 \\ -\ 236 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ -\ 27 \\ \hline \end{array}$$

Name: _____

Which has the largest answer?

313 ÷ 24 316 ÷ 24 317 ÷ 24

$$\begin{array}{r} 49 \\ +\ 40 \\ \hline \end{array}$$

How many grams are in 9 kilograms?

_____ grams

20 ÷ 4 =

7 x 10 =

1 lb = 16 oz

14 lb = _____ oz

David invented a robotic bug. The bug can crawl six centimeters in sixteen seconds. How long would it take the bug to crawl thirty centimeters?

Circle the smallest number:

6,324 840,531

7,917,248,960 69,725,108

Write this as a number in standard form. Use a comma in your number.

seven hundred seventy-six thousand, nine hundred twenty-two

_____

Write 1,704,071 in words.

_____

6 x 3 =

List six of the smallest whole numbers that are greater than 131, are multiples of 2, and are not multiples of 6.

Name: _____

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

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

ACRE • NOTION • NEGLECT
STOPPING • ADEQUATE • ARGUING
PERFORM • RAILROAD • AUTHOR
LIZARD • WORM • NESTLE

What can you multiply by 12 to get 9?

Circle the addition property for 76 + 72 = 72 + 76.

associative property

commutative property

Can 414 be evenly divided by 10? Circle:

414 is NOT evenly divisible by 10

414 is evenly divisible by 10

Write the missing family fact.

52 - 20 = 32
32 + 20 = 52
20 + 32 = 52

_____

How many digits are in the number of days in the current month?

_____

Circle the word that best completes the sentence.

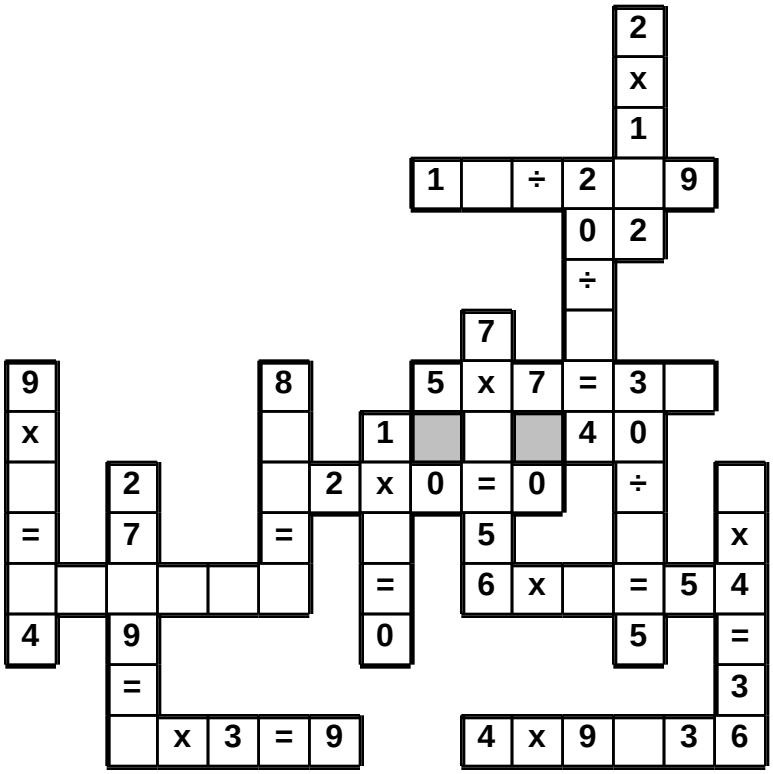
(Their/There) has to be an easier way to learn how to tell time!

word root **super** can mean **over** **supervisor, superior**

Name: _____

8 • = • 5 • 5 • x • 8 • 6 • 1 • 9 • 0 • 6 • 5 • 6 • ÷ • 7 • =
8 • 9 • 3 • =

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



For 7,481,648,657,829, write the digit that is in the ten thousands place.

_____

24 ÷ 3 =

50 ÷ 5 =

Draw a shape that has between three and six lines. The shape should have at least one line of symmetry. Show the line of symmetry using a dotted line.

word root **herb** can mean **a plant** **herbicide, herbaceous**

Name: _____

Can you figure out the value of the letter?

$8b + 9 = 25$

first subtract 9 from both sides

then divide each side by 8

$8b + 9 - 9 = 25 - 9$

$8b = 16$

$8b \div 8 = 16 \div 8$

$b = \mathbf{2}$

Double check: $(8 \times \mathbf{2}) + 9 = 25$

$4d + 9 = 41$

first subtract 9 from both sides

then divide each side by 4

$d =$ ___

Double check: $(4 \times$ ___$) + 9 = 41$

$9k - 25 = 11$

first add 25 to both sides

then divide each side by 9

$k =$ ___

Double check: $(9 \times$ ___$) - 25 = 11$

$5w + 4 = 34$

first subtract 4 from both sides

then divide each side by 5

$w =$ ___

Double check: $(5 \times$ ___$) + 4 = 34$

$9g - 13 = 14$

first add 13 to both sides

then divide each side by 9

$g =$ ___

Double check: $(9 \times$ ___$) - 13 = 14$

$7a + 6 = 20$

first subtract 6 from both sides

then divide each side by 7

$a =$ ___

Double check: $(7 \times$ ___$) + 6 = 20$

Name: _____

$8 \times \frac{1}{8} =$

$\frac{3}{7} \times 4\frac{11}{12} =$

$$2\frac{4}{12}$$
$$-\ 1\frac{9}{12}$$

Find the least common denominator.

$\frac{4}{5}$ and $\frac{3}{11}$

Write the reciprocal.

$\frac{20}{16}$

$\frac{8}{9} \div \frac{2}{8} =$

Find the least common denominator.

$\frac{18}{36}$ and $\frac{3}{48}$

$3\frac{2}{8} \times \frac{5}{9} =$

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

Name: _____

Circle all the numbers that are not prime numbers.

57	59	61	63	65	67

Pick one of the numbers you circled and write that number as a product of its prime factors.

Circle all the prime numbers.

65	67	69	71	73	75

How many other prime numbers do you know? Write some.

Write the greatest common factor for each pair of numbers.

30 and 45

27 and 45

38 and 64

Find the square of each number.

5

7

11

Find the cube of each number.

2

13

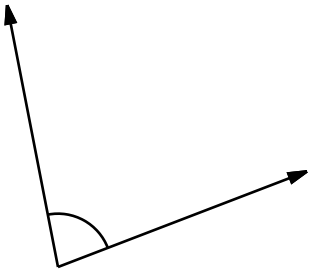
You may be surprised to learn that prime numbers are used for sending information securely over the internet. The internet uses computers, so they do this by multiplying two huge prime numbers. It is hard work. Here is a challenge for you. The number 91 is the product of two prime numbers. What are the two prime numbers?

Name: _____

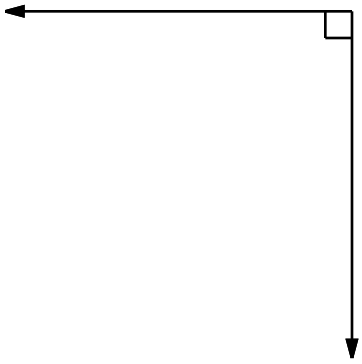
How large is the angle? First, make a guess and write your estimate in degrees.

Then, actually measure it to see how close your guess was.

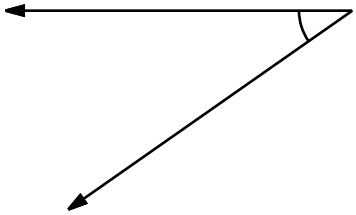
Hint: Try guessing between 68 and 86 degrees.



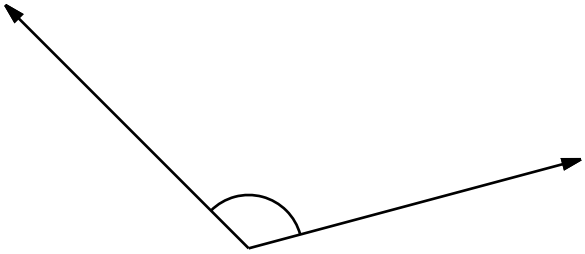
Guess first: _____ Measure: _____



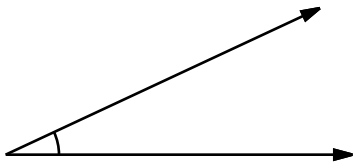
Guess first: _____ Measure: _____



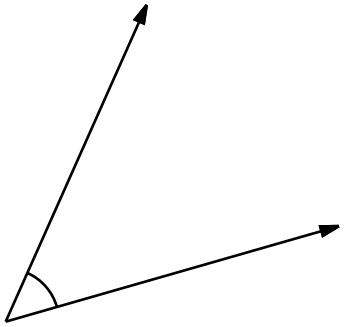
Guess first: _____ Measure: _____



Guess first: _____ Measure: _____



Guess first: _____ Measure: _____



Guess first: _____ Measure: _____

Name: _____

Complete each analogy with the best word.

hospital	white roses	pizza
cotton	bald eagle	philosophy
kind	white	kill
red poppies	apple cider	orange juice
though	crayon	hamburger
patron		

summer : lemonade ::

autumn : _____

t : church ::

+ : _____

North : factories ::

South : _____

bread : sandwich ::

bun : _____

sight : bite ::

snow : _____

black : pencil ::

color : _____

creativity : art ::

thought : _____

chuckle : giggle ::

compassionate : _____

St. Patrick's Day : clovers ::

Memorial Day : _____

honor : recognize ::

assassinate : _____

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

HOSPITAL • FLOOR • HORSE
CHEERY • TADPOLE • HOUND
FOOTBALL • GRASS • PICTURES
SKY • SOFTER • POD • WATER
KILL • UNEXPLAINED • MONDAY
TREE • VIRGINIA • ENVELOPE
RELIGION

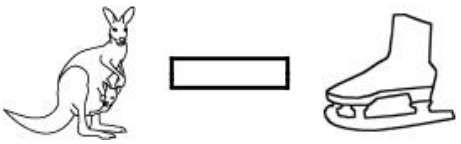
Name: _____

Draw 3 pictures in the correct order. Use each of the clues so you will know what to draw.

Draw 1 of these 3 pictures.
The picture IS in the correct spot.

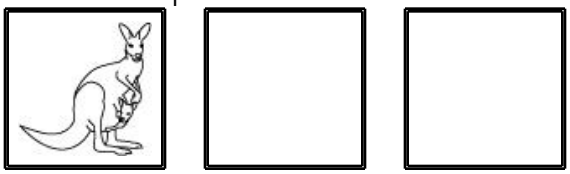
Draw 1 of these 3 pictures.
The picture IS in the correct spot.

Draw 1 of these 3 pictures.
The picture IS in the correct spot.

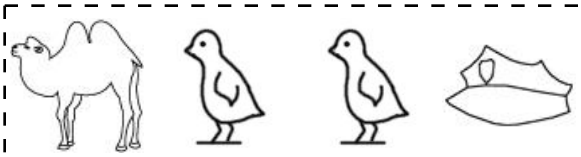


Draw 1 of these 3 pictures.
The picture IS in the correct spot.

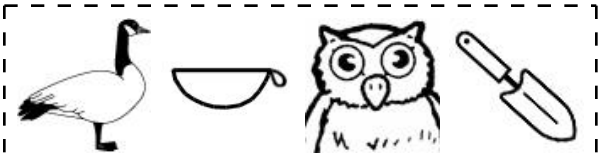
Draw the 3 pictures in the correct order:



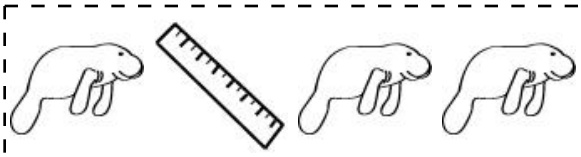
Draw 4 pictures in the correct order. Use each of the clues so you will know what to draw.



Draw 1 of these 4 pictures.
The picture is NOT in the correct spot.

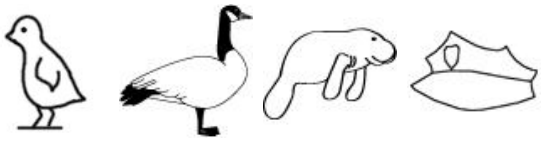


Draw 1 of these 4 pictures.
The picture is NOT in the correct spot.



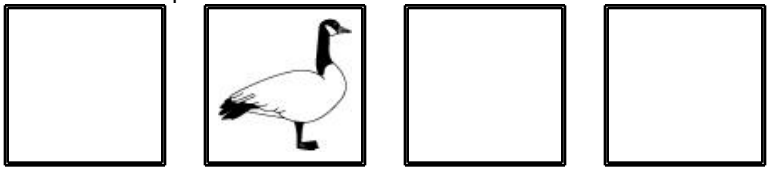
Draw 1 of these 4 pictures.
The picture IS in the correct spot.

Draw 1 of these 4 pictures.
The picture IS in the correct spot.



Draw 3 of these 4 pictures.
The pictures to use are in the correct spot.

Draw the 4 pictures in the correct order:



Name: _____

Jenna and Emma were in a tight race for student president with 85 votes cast. Jenna ended up winning but the ratio of votes she got compared to Emma was 8 to 9. It was close. By how many votes did Emma win?

Emma and Rosa were in a tight race for student president with 45 votes cast. Emma ended up winning but the ratio of votes she got compared to Rosa was 7 to 8. It was close. By how many votes did Rosa win?

Anne and Amy were in a tight race for student president with 85 votes cast. Anne ended up winning but the ratio of votes she got compared to Amy was 8 to 9. It was close. By how many votes did Amy win?

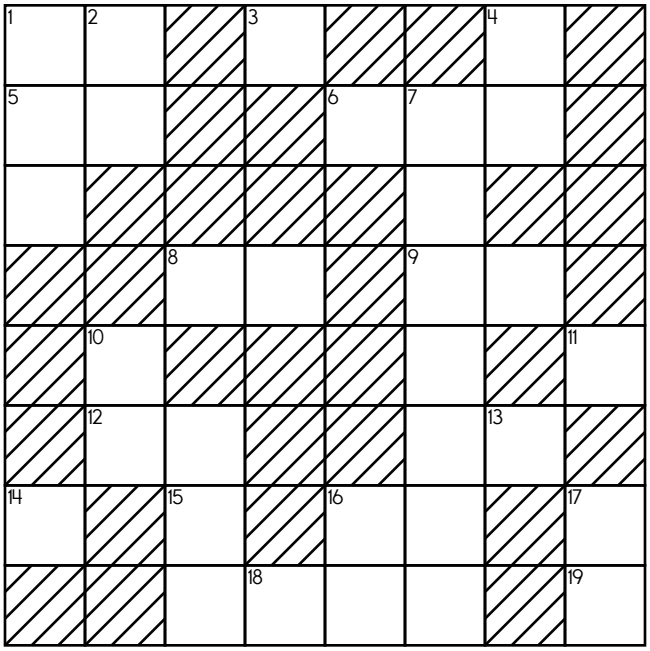
Name: _____

ACROSS

1. What is the greatest common factor of 48 and 60?
4. How many factors does 50 have?
5. Six less than 9-Across
7. First composite number after 9-Across
8. The factors of 60 are 1, 2, 3, 4, 5, 6, 10, 12, 15, __, 30, 60.
9. **17**
10. What is the greatest common factor of 18 and 45?
11. One-third of 2-Down
12. What is the lowest common multiple of 17-Across and 6-Down?
14. How many factors does 10 have?
17. 8
19. What is the greatest common factor of 2-Down and 7-Across?

DOWN

2. 21
3. Average of 15-Down and 14-Across
4. Four times 5-Down
5. 5 + 12
6. One-third of 7-Across
7. one million, four hundred ten thousand, eight hundred twenty-six
13. Five more than 14-Across
14. What is the greatest common factor of 16 and 36?
15. Eight less than 7-Across
16. Average of 5-Across and 5-Down
17. Its digits total 11
18. What is the greatest common factor of 14-Down and 16-Down?



(768) , (384) , _____,

(96) , (48) , (24) , (12) ,

(6)

What is 50% of 434?

The radius of a circle is 427 cm. What is the diameter of this circle?

Name: _____

Color Squares Puzzle

Color in the number of consecutive boxes in each row and column. Double check when you are done!

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	2	2	3	3	3	3	4	4	6	7	10	10	10	9	5
P	3					\									
Q	4		\		\										\
R	4									\					
S	5	\	\	\	\	\	\	\	\	\					\
T	6		\				\								
U	7						\								
V	9														
W	13														
X	15														
Y	15														

CLUE A: Color in 2 consecutive boxes.
CLUE B: Color in 2 consecutive boxes.
CLUE C: Color in 3 consecutive boxes.
CLUE D: Color in 3 consecutive boxes.
CLUE E: Color in 3 consecutive boxes.
CLUE F: Color in 3 consecutive boxes.
CLUE G: Color in 4 consecutive boxes.
CLUE H: Color in 4 consecutive boxes.
CLUE I: Color in 6 consecutive boxes.
CLUE J: Color in 7 consecutive boxes.
CLUE K: Color in all the boxes in this column.
CLUE L: Color in all the boxes in this column.
CLUE M: Color in all the boxes in this column.
CLUE N: Color in 9 consecutive boxes.
CLUE O: Color in 5 consecutive boxes.

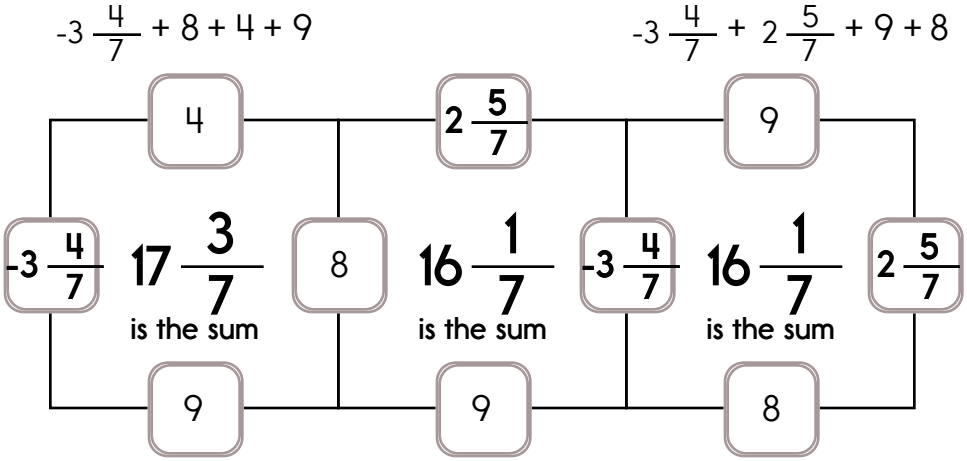
CLUE P: Color in 3 consecutive boxes.
CLUE Q: Color in 4 consecutive boxes.
CLUE R: Color in 4 consecutive boxes.
CLUE S: Color in 5 consecutive boxes.
CLUE T: Color in 6 consecutive boxes.
CLUE U: Color in 7 consecutive boxes.
CLUE V: Color in 9 consecutive boxes.
CLUE W: Color in 13 consecutive boxes.
CLUE X: Color in 15 consecutive boxes.
CLUE Y: Color in 15 consecutive boxes.

Don't forget to double check when you are done!

Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

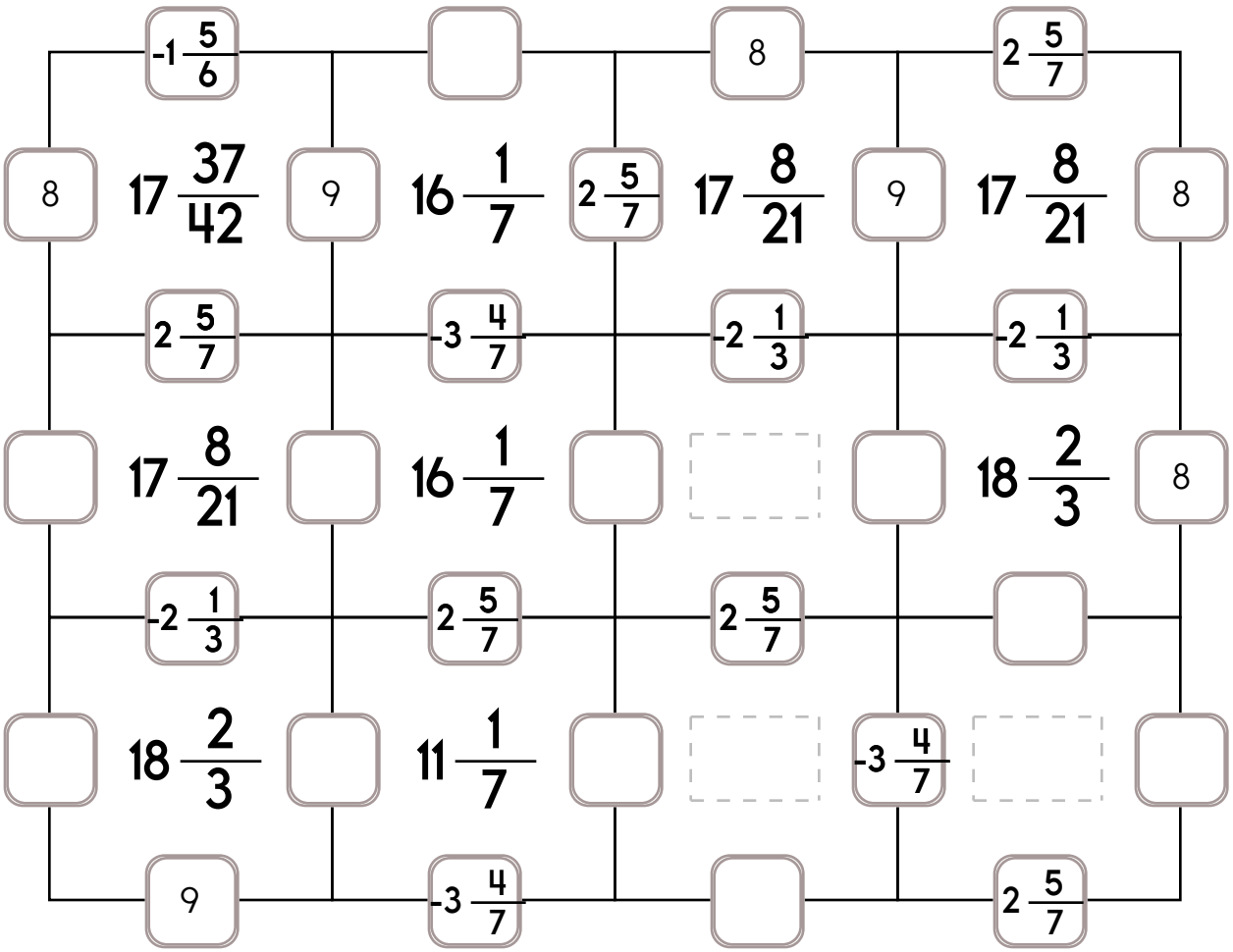
Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $-3\frac{4}{7}$, $-2\frac{1}{3}$, or $-1\frac{5}{6}$.

The other three numbers have to all be DIFFERENT and must be from these: 9, 4, $2\frac{5}{7}$, or 8.

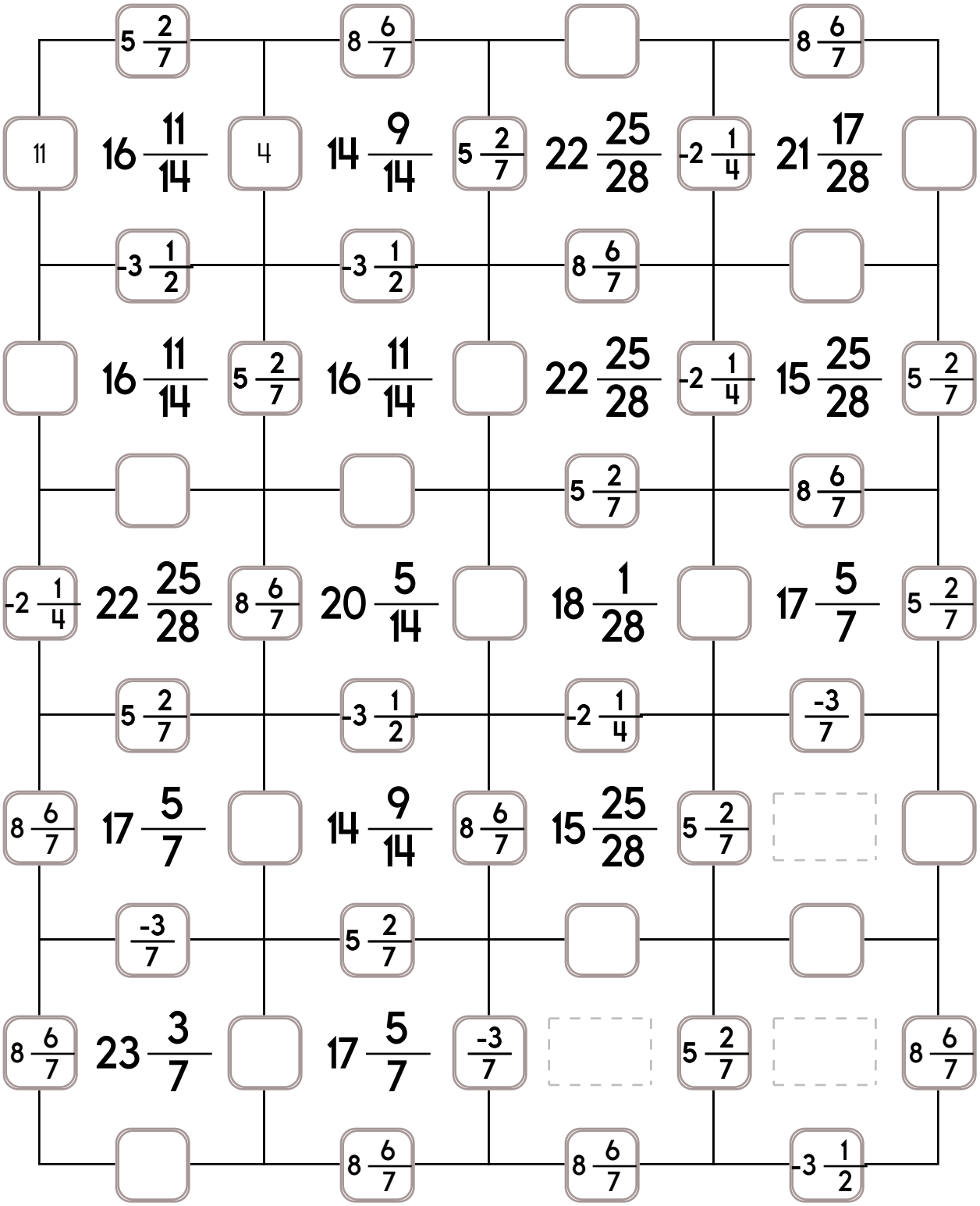


Name: _____

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $\frac{-3}{7}$, $-3\frac{1}{2}$, or $-2\frac{1}{4}$.

The other three numbers have to all be DIFFERENT and must be from these: 11, $8\frac{6}{7}$, 4, or $5\frac{2}{7}$.



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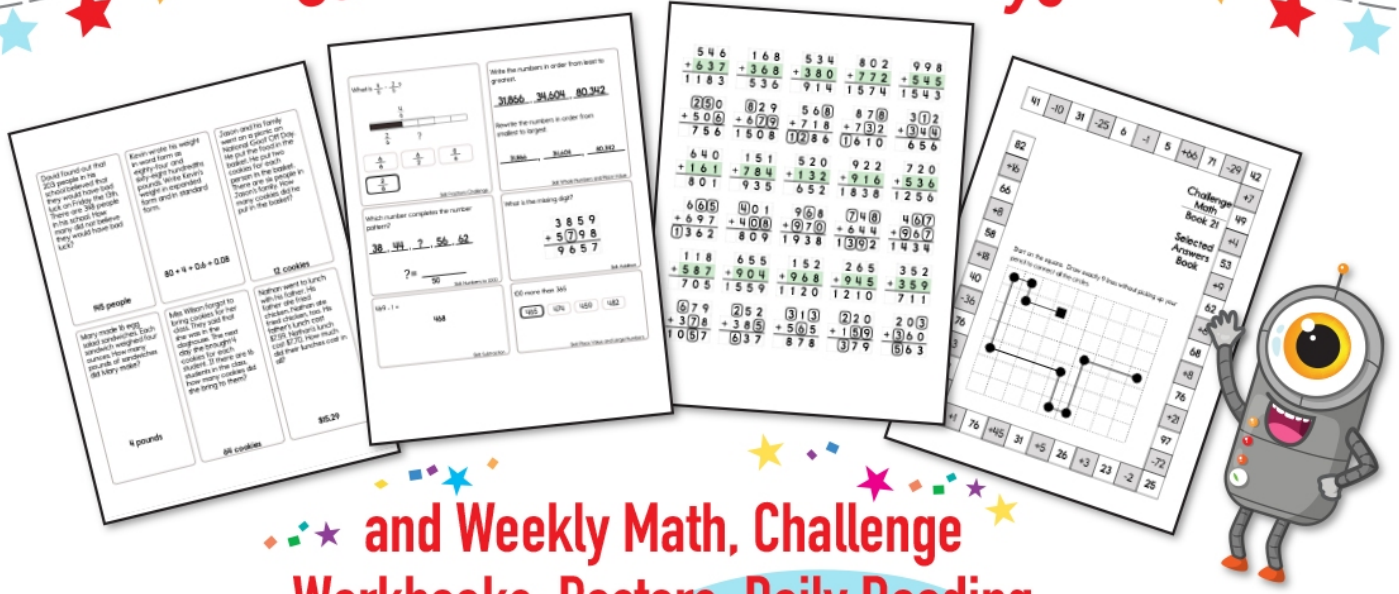

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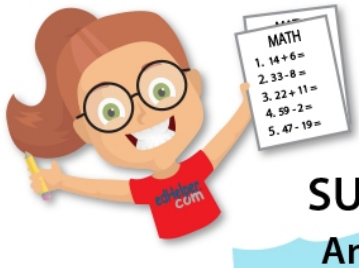

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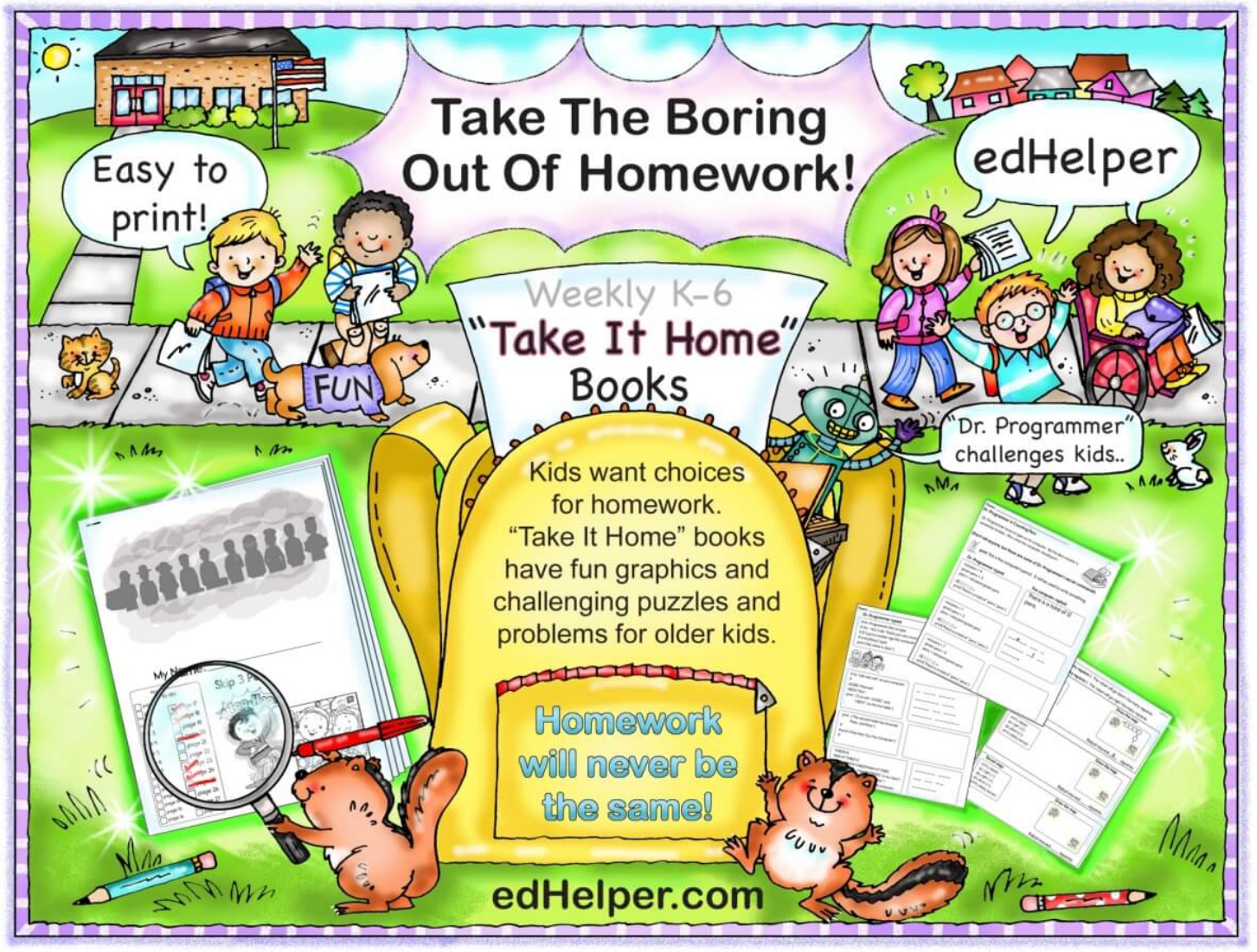
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