Name: _____

Ready to make equations? There is a missing equation in each box.
Circle the numbers once you find it!

A

89	28	53
32	31	73
71	83	76
62	82	93

Find a subtraction fact.

B

49	43	87
30	32	8
16	54	67
96	18	94

Find a subtraction fact.

C

16	62	6
91	73	81
98	12	27
66	67	44

Find a subtraction fact.

Equations:
Write the equation facts you found.

A	93	-	62	=	31
B		-		=	49
C		-	6	=	

---

6 x 10 = _____

8 x 10 =

Rewrite these in increasing order of length:

904 m, 52 dm, 875 km

$$\begin{array}{r} 77 \\ -\ 55 \\ \hline \end{array}$$

2,566 + 8,258 = _____

42 ÷ 6 =

18 ÷ 3 = _____

Name: _____

How many meters are there in 116 kilometers?

Yummy Donuts gave three dozen chocolate donuts and five dozen jelly donuts to the school. How many donuts did they give?

Estimate quickly the difference.
8,000 - 1,320

8 ÷ 8 x 9

Round the decimal 0.365 to the nearest hundredth.

$6 \div \frac{1}{9}$

6 + 80 ÷ 8 - 72 ÷ 9 =

Rewrite $\frac{24}{25}$ as a decimal.

|-15| + n = 11

n =

t - 10 + t = 20
What is the value of t?

9 + 15 ÷ 3

If n = 6 and p = -31 then what is the value of x?
9n + 11p - 2p = x

Write as an algebraic expression.

558.5 divided by the sum of p and m

Draw a number line with 0, $\frac{1}{2}$, and 1. Show where $\frac{8}{11}$ would go. Is $\frac{8}{11}$ closer to 0, $\frac{1}{2}$, or 1?

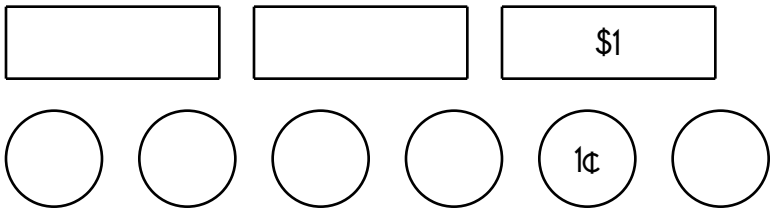
Rewrite as an algebraic expression or equation.

Add 23 to the product of s and 10

Name: _____

Make change. You can use $20, $10, $5, $1, 25¢, 10¢, 5¢, or 1¢.

Make $12.34 using bills and coins.



Show a different way to make $12.34 using a different number of bills or coins.

Make $24.48 using bills and coins.

Show a different way to make $24.48 using a different number of bills or coins.

38 + 48	3 x 11 = _____	11 x 5 =	666 - 144

word root **il** can mean **not** **illiterate, illegible**

Name: _____

It was such pandemonium! It was the first day of school and 105 kindergarten children, 106 first graders, 91 second graders, and 123 third graders were looking for their teachers. How many children in all were looking for their teachers?

Mr. Moore has $482.74. He bought five apple trees at $32.15 each. How much money does Mr. Moore have left?

Emma had $15 for lunch each week. If she bought the standard hot lunch each day (for 5 days) at $2.59, how much money would she have left over at the end of the week?

Perhaps someday someone will make a flight from the Earth (92,900,000 miles from the sun) to Pluto (3,664,000,000 miles from the sun). About how far is it from the Earth to Pluto? Round off your answer to the nearest 100,000 miles.

The mailman walked 3.46 km on his route. How many meters did he walk?

It costs $0.009 per hour to run a 100-watt light bulb. It costs $0.017 per hour to run a small radio. How much more does it cost to run a radio for 15 hours than it costs to run a 100-watt light bulb for the same amount of time?

Name: _____

There are approximately 178,000 speakers of the Navajo language in the United States and approximately 204,000 speakers of other Native American languages. Write the ratio of Navajo speakers to speakers of other Native American languages as a fraction in lowest terms.

Jenna looked for swallowtail butterflies every day last week. She kept a tally of the number she saw each day. During the first six days she saw 1, 3, 6, 8, 11, and 5. The mean number for the week is 6. How many butterflies did she see on the last day of the week?

There are only 12 letters in the Hawaiian alphabet. What fraction of the English alphabet is that? Write your answer in simplest form.

Robert Burns was born on January 25, 1759. Which birthday will be celebrated on January 25, 2024?

The Dressed Up Pet Parade began at 4:44 p.m. The parade was over forty-eight minutes later. What time did the parade end?

What is 50% of 234?

How many minutes is it from 6:00 a.m. to 11:40 a.m.?

A, J, B, K, C, _____, D,

M, E, N

Name: _____

27 km = _____ m

Write the missing family fact.

52 ÷ 4 = 13
4 x 13 = 52
13 x 4 = 52

_____

$$\begin{array}{r} 381 \\ +\ 364 \\ \hline \end{array}$$

9 x 12 = _____

Circle the greatest number:

6,782,915,304
7,543,926
810,286,034
71,950

1 lb = 16 oz

12 lb = _____ oz

Circle the addition property for 29 + 13 = 13 + 29.

associative property
commutative property

27 ÷ 9 = _____

The product of two consecutive whole numbers is 110. What are the two consecutive whole numbers?

11 x 9 =

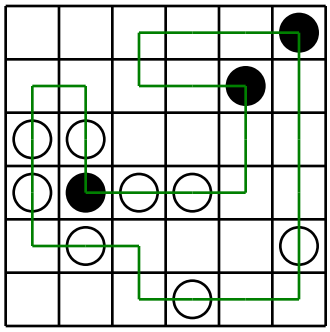
3,633 + 1,822 = _____

The boys in your class each were given a ticket with a number on it. The numbers given out were: 37, 34, 30, 40, 9, 20, 10, and 12. One ticket will be picked from a hat. What are the chances that the winning ticket number is divisible by 6?

How many grams are in 4 kilograms?

_____ grams

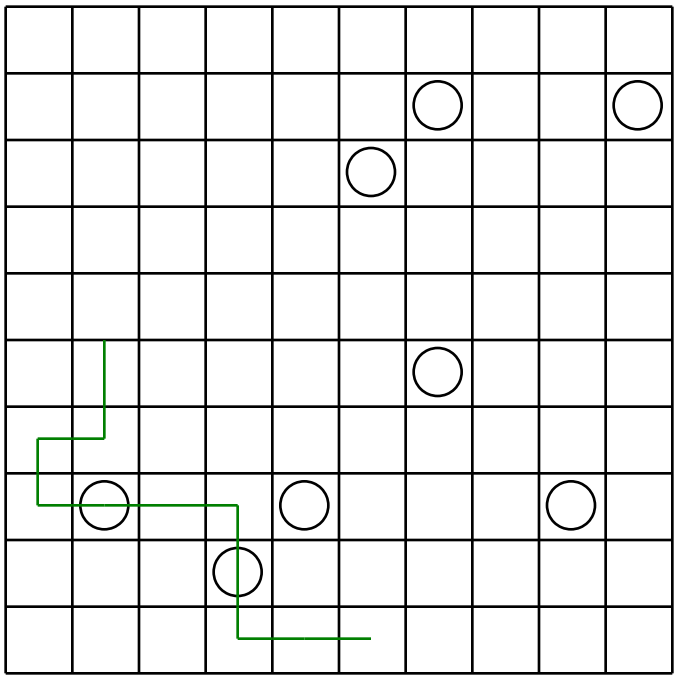
Name: _____



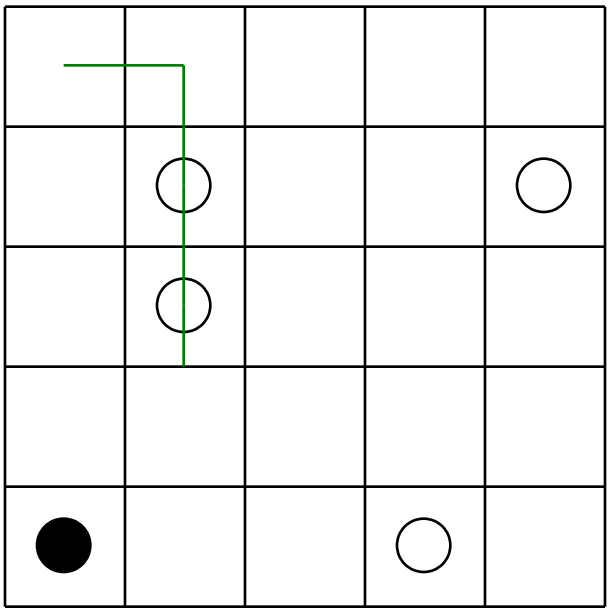
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



Circle the smallest number:

4,835,279	219,901,862,374
68,213,054	793,687,054

11 x 11 = _____

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

one hundred eighty-five thousand four hundred seventy-three

_____

How many dimes make $1.70?

Name: _____

5 x 8 = _____

15 ÷ 5 =

Erin likes to change numbers into a secret letter form. Erin changed the number 16,588 to SSSSS. Erin changed the number 519 to SSS. Erin changed the number 57 to SS. Erin changed the number 711,532 to SSSSSS. How do you think she would change the number 9,995?

_____

12 ÷ 3 =

54 ÷ 9 = _____

14 ÷ 7 = _____

Can 425 be evenly divided by 5? Circle:
425 is NOT evenly divisible by 5
425 is evenly divisible by 5

4 x 6 = _____

Write 1,906,515 in words.

_____

Can 298 be evenly divided by 12? Circle:
298 is evenly divisible by 12
298 is NOT evenly divisible by 12

What should replace the F in this equation?

14 ÷ 7 + F = 28

What time is 16 hours after 4:00 a.m.?

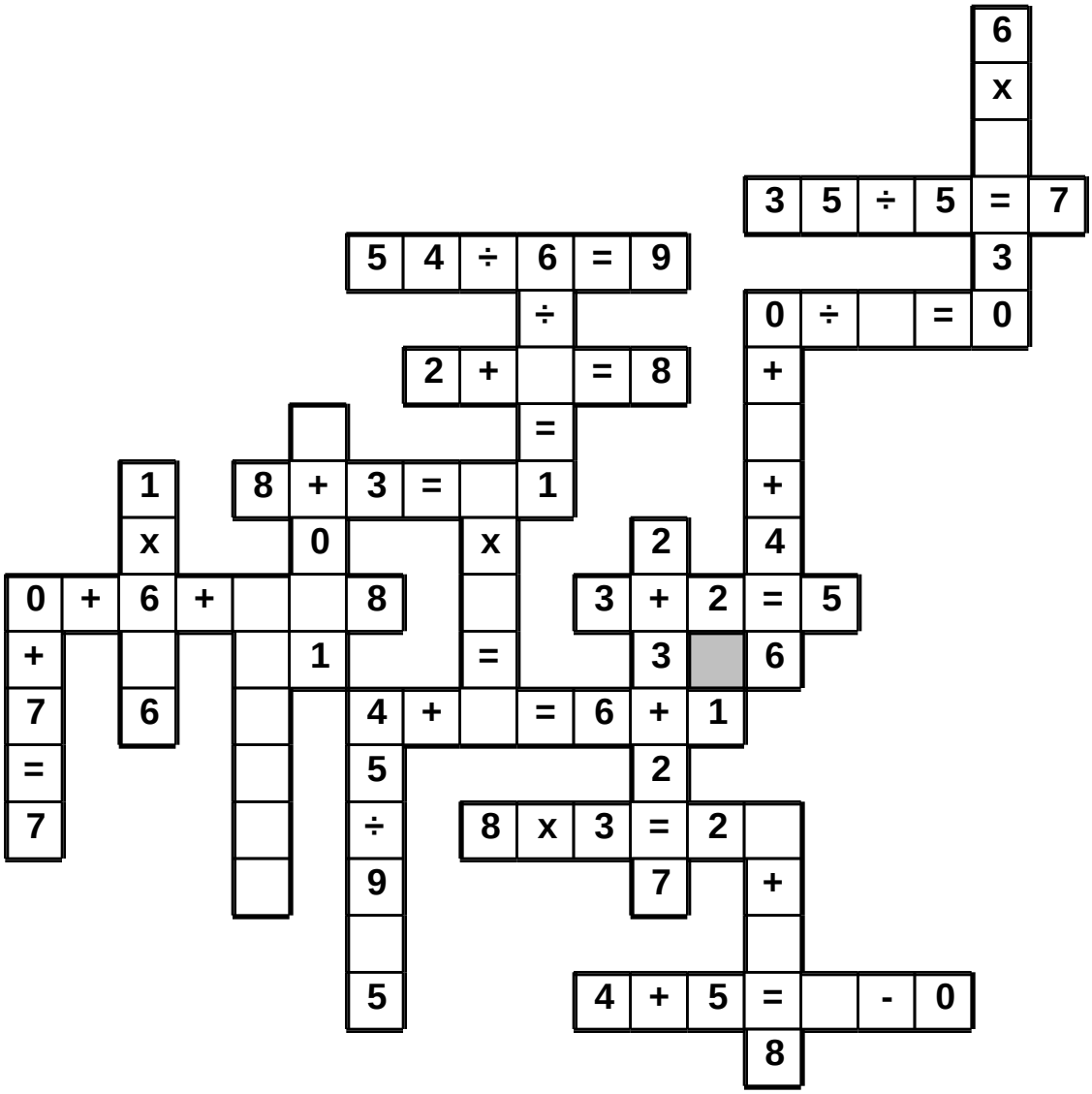
_____

62,865 - 28,388 = _____

Name: _____

5 • 6 • 6 • 1 • 2 • 1 • 2 • = • 3 • = • 8 • ÷ • 3 • 7 • = • 4
4 • = • 4 • 9

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



48 ÷ 12 = _____

You cannot decide what pizza store to go to. Amy's pizza cuts their pizza into 5 slices. Each slice costs $3 each. Erin's pizza cuts their pizza into 4 slices. Each slice costs $3 each. If you like each pizza the same, which pizza store has the better buy?

Name: _____

	+	+	x	=
+	?	C	C	B	63
	C	C	A	A	82
-	C	A	B	C	62
=	9	10	12	4	

Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

C + A - B = 12 __ + C + A x A = 82

__ + __ - __ = 10 __ + __ + __ x __ = 62

__ + __ - __ = 4

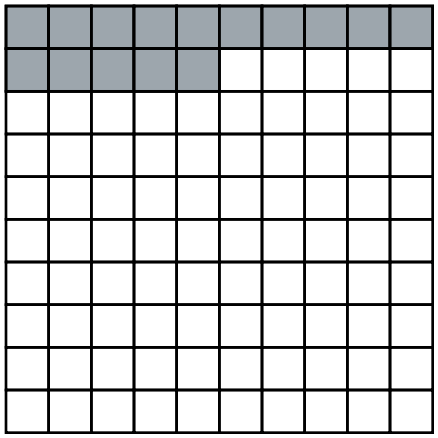
Additional hints:

A = B + 3 B > 2

Solve:

? = __

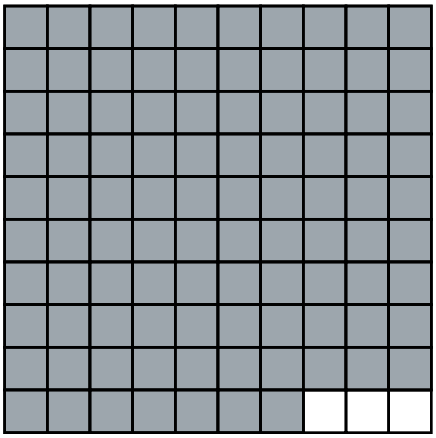
Name: _____



_____ out of 100 small squares are shaded.

_____ % of the large square is shaded.

_____ % of the large square is NOT shaded.



_____ out of 100 small squares are shaded.

_____ % of the large square is shaded.

_____ % of the large square is NOT shaded.

$\frac{11}{100}$ = _____ %

$\frac{35}{100}$ = _____ %

$\frac{3}{100}$ = _____ %

37 out of 100 = _____ %

19 out of 100 = _____ %

0.91 = _____ %

0.58 = _____ %

0.08 = _____ %

0.03 = _____ %

0.1 = _____ %

0.42 = _____ %

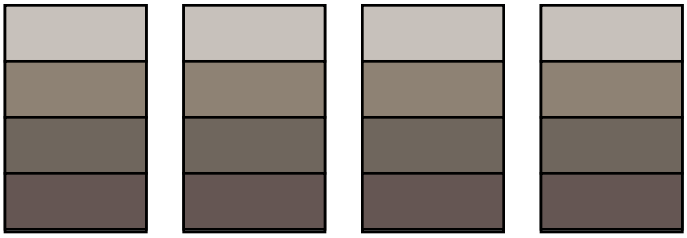
0.8 = _____ %

0.64 = _____ %

0.23 = _____ %

0.7 = _____ %

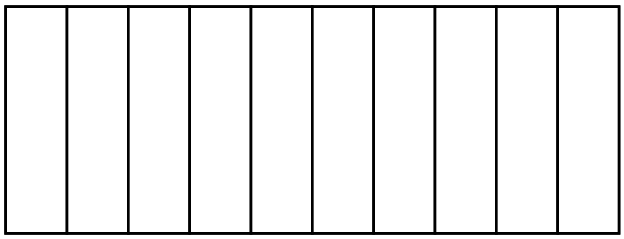
Name: _____



A total of four pizzas were ordered for a big party. Each pizza was divided into four slices and everyone at the party was given two slices. If there was no pizza left and everyone got their two slices, then how many people were at the party? Can you think of an equation using division to solve this?

How many fifths are in five-tenths?

Complete the bar model.



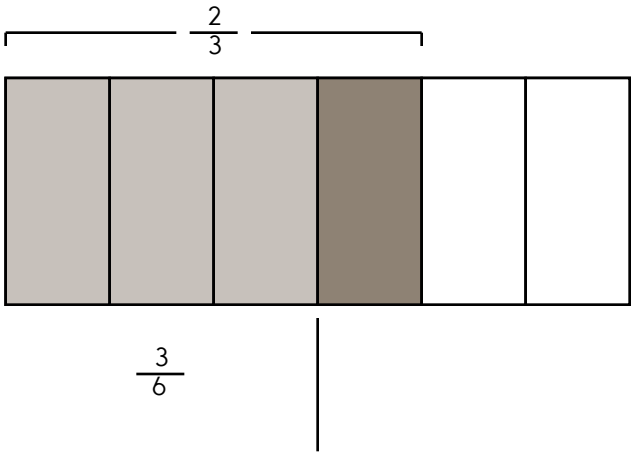
$\frac{5}{10} \div \frac{1}{5} =$

Draw a bar model and show how to solve.

Number of one-fifths in 4 wholes.

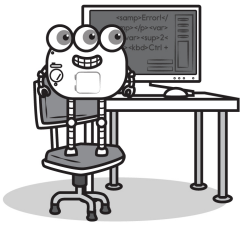
$4 \div \frac{1}{5} =$

How many three-sixths are in two-thirds?



$\frac{2}{3} \div \frac{3}{6} =$

Name: _____



Robot wrote this program to solve a math problem.

```
# Number of people in the park
total_people = 335

# Number of children in the park
children = 194

# Computing the number of adults in the park
adults = total_people - children

print("The number of adults in the park is:", adults)
```

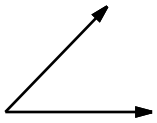
What will the program print out? Fill in the blanks.

The number of adults in the park is: ____ ____ ____

Wait! Robot forgot to write down the math problem.
Can you write your own word problem to explain Robot's computer code?

Name: _____

Sketch 2 lines $\overleftrightarrow{IJ}$ and $\overleftrightarrow{VW}$ that are parallel.



What kind of angle is this?

-7 + -15 =

3 - 4 - 2 =

-7 + -9 =

Write the reciprocal.
19

Write the reciprocal.

$\frac{2}{3}$

Write the reciprocal.

$\frac{1}{5}$

On a number line, what is the number that is 6 spaces right of -4?

14 + -11 = ____

14 - 11 = ____

On a number line, what is the number that is 10 to the left of 5?

Find 54% of 258.

Change to a decimal.
3%

Change to a percent.

$\frac{924}{100}$

Name: _____

26% of 50 =

$\frac{26}{100}$ x 50 = 0.26 x 50 =

$$\begin{array}{r} 0.26 \\ \times \quad 50 \\ \hline \end{array}$$

38% of 50 =

$\frac{38}{100}$ x 50 = 0.38 x 50 =

$$\begin{array}{r} 0.38 \\ \times \quad 50 \\ \hline \end{array}$$

72% of 550 =

$\frac{72}{100}$ x 550 = 0.72 x 550 =

$$\begin{array}{r} 0.72 \\ \times \quad 550 \\ \hline \end{array}$$

58% of 50 =

$\frac{58}{100}$ x 50 = 0.58 x 50 =

$$\begin{array}{r} 0.58 \\ \times \quad 50 \\ \hline \end{array}$$

48% of 650 =

66% of 50 =

Name: _____

I am the largest whole number that will round to 70,000 when you round to the nearest ten-thousand.

Erin finished her science project in two and a half hours. Anne took 15,240 seconds to finish hers. Who took longer and by how much longer did she take?

The perimeter of a rectangle is 18 cm. The longer side is 7 cm. How long is the shorter side?

How many minutes is it from 8:00 a.m. to 11:40 a.m.?

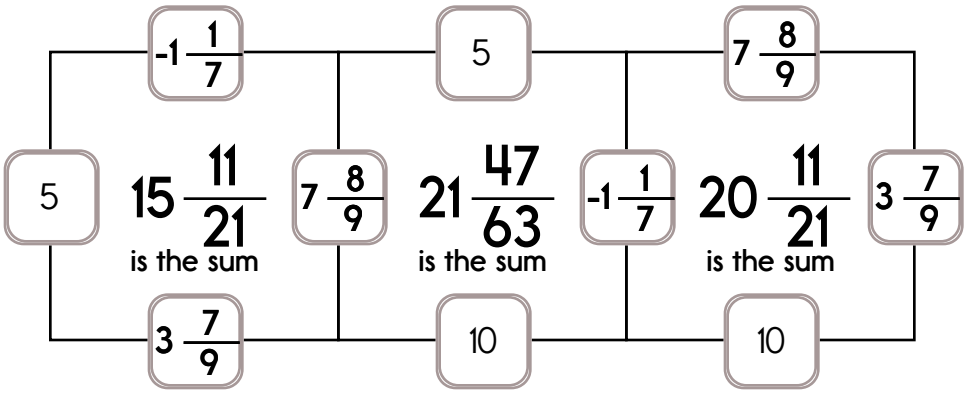
How many centimeters in 540.4 meters?

Name: _____

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

Sample:

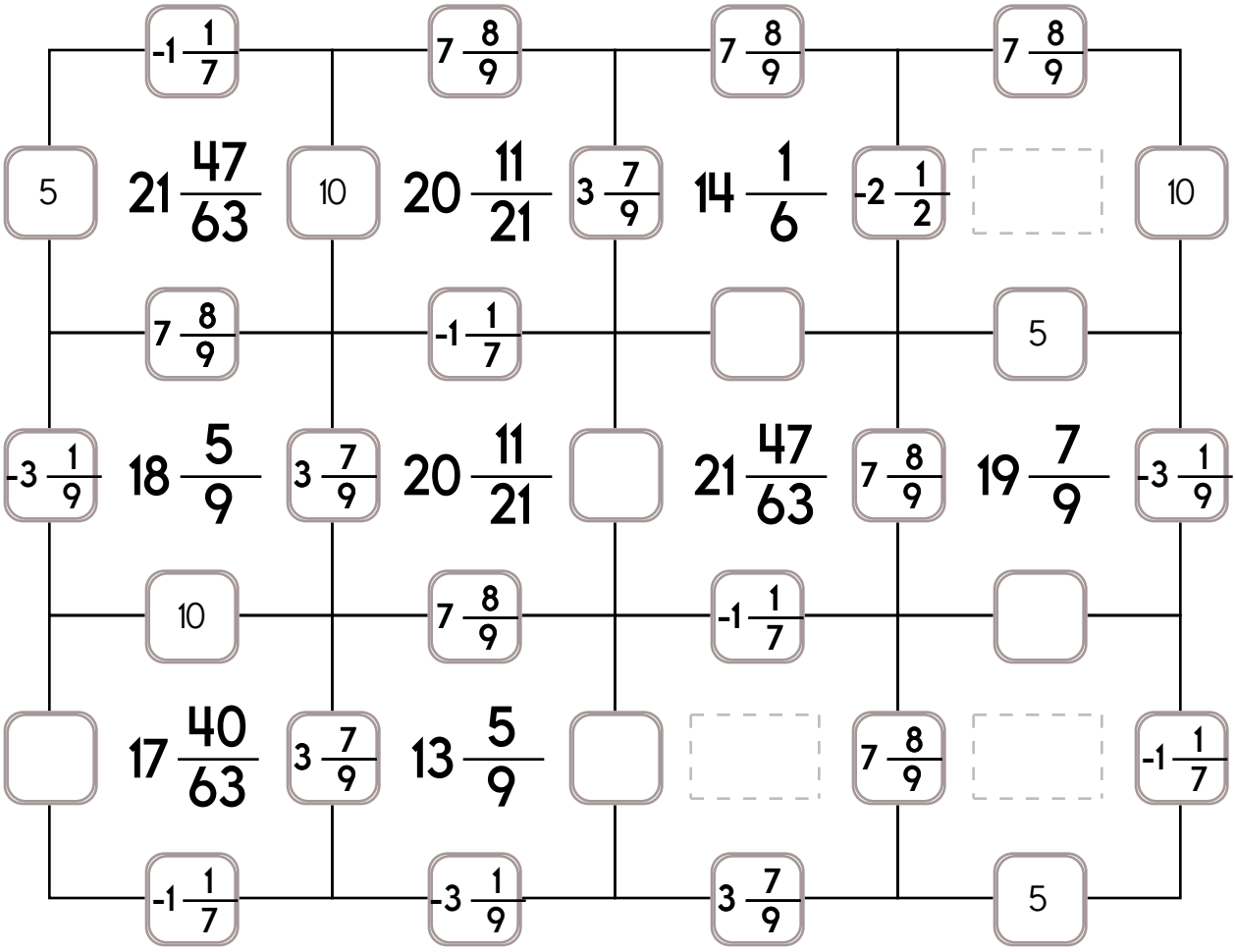
$5 + 7\frac{8}{9} + -1\frac{1}{7} + 3\frac{7}{9}$ $\qquad$ $-1\frac{1}{7} + 3\frac{7}{9} + 7\frac{8}{9} + 10$



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: $-3\frac{1}{9}$, $-2\frac{1}{2}$, or $-1\frac{1}{7}$.

The other three numbers have to all be DIFFERENT and must be from these: 5, 10, $7\frac{8}{9}$, or $3\frac{7}{9}$.

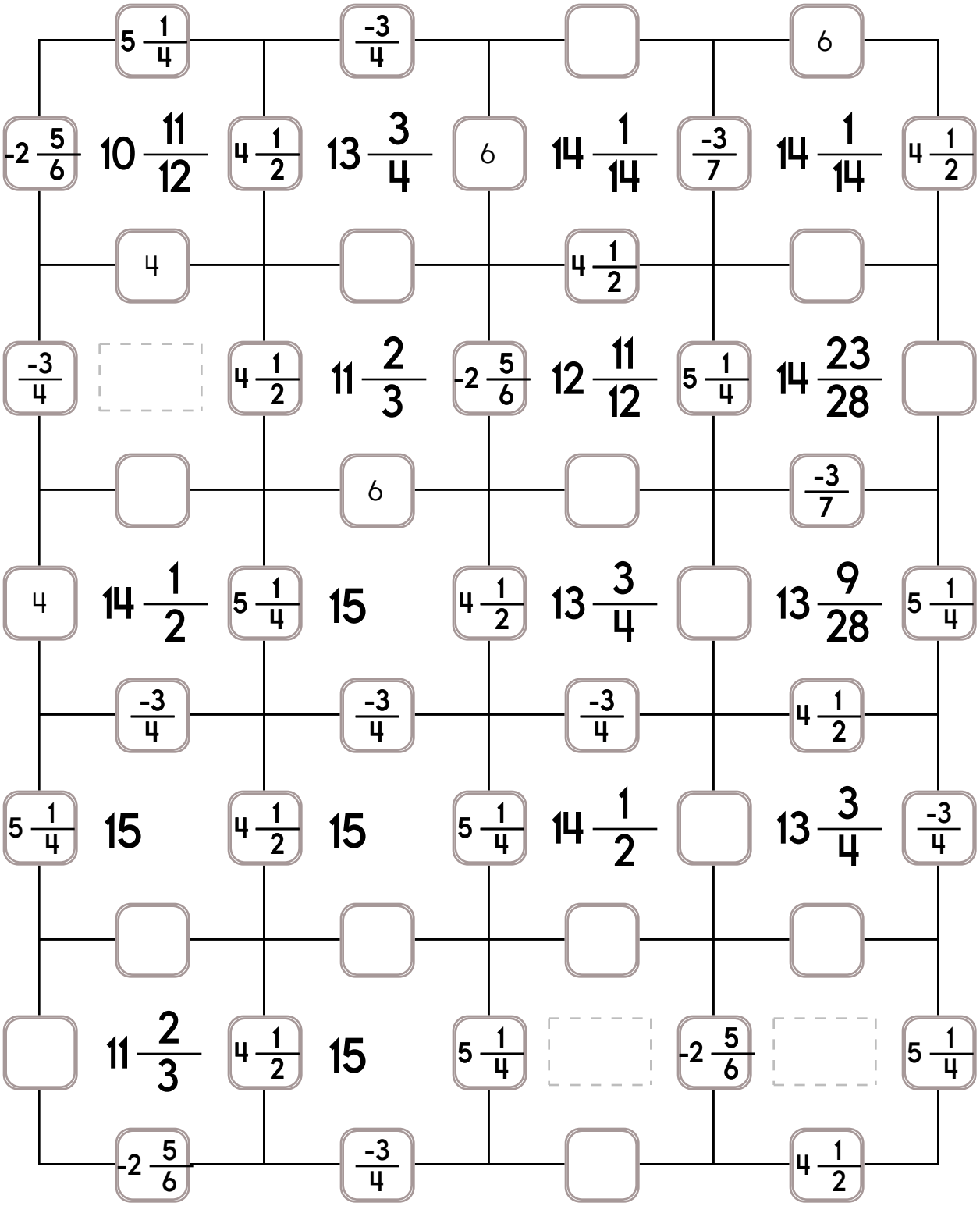


Name: _____

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: $\frac{-3}{4}$, $\frac{-3}{7}$, or $-2\frac{5}{6}$.

The other three numbers have to all be DIFFERENT and must be from these: $5\frac{1}{4}$, 4, 6, or $4\frac{1}{2}$.



Name: _____

"Simplify your life. Find extra minutes or even hours in your day. You can have at least 41% more free time. To find out how, just send us $25 today," the television announcer trumpeted. Write 41% as a decimal.

It is estimated that smoking cigarettes causes 87% of all lung cancers. If there were 182,848 new cases of lung cancer last year, how many people could have avoided lung cancer by not smoking?

There were 54,168,905 cartons of leaf lettuces grown in California in 2000. That will make a lot of salad! Write that number in expanded form.

At the bookstore, Alex bought three books about Anne Bradstreet and colonial times. The books cost $4.74, $10.55, and $12.61. He gave the cashier $30. How much change should Alex receive?

Mrs. Hall worked 29.5 hours at the tie factory last week. Gavin worked 1.2 times as long as Mrs. Hall. How long did Gavin work?

Amanda wants to make carrot cake. Her recipe calls for $1\frac{3}{4}$ cup of grated carrots. She has grated $\frac{1}{3}$ cup. How much more carrot does she have to grate?

Name: _____

Hannah decided to count the number of times she had bad luck on Friday the 13th and compare it to the number of times she had bad luck on Friday the 6th. On Friday the 6th she counted 13 things that might have been bad luck. On Friday the 13th only 6 things happened that might have been bad luck. What was the ratio of bad luck on Friday the 6th to bad luck on Friday the 13th?

The dance floor at Madame Maria's studio is only 10 feet wide and 20 feet long. She would like a bigger floor so the students will have more room to move. If she wants to double the area of the floor and make the length 25 feet, how wide will the floor have to be? Round your answer to the nearest whole number if needed.

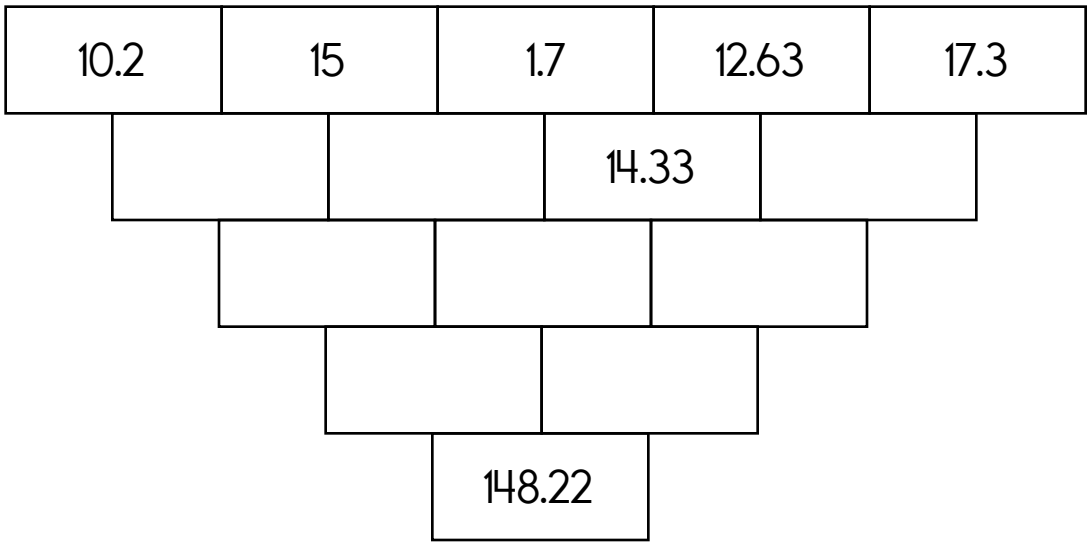
Anne was bored. She found her little sister and offered to read a book to her. She read to her sister for an hour and 45 minutes. If Anne started reading at 3:16 p.m., what time did she stop reading?

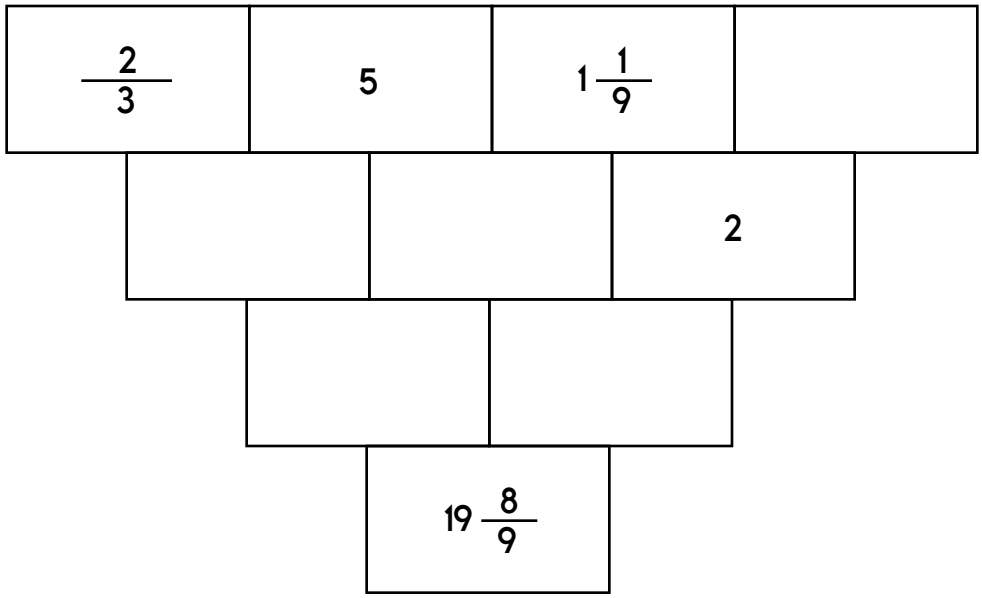
Mr. Martinez wanted to buy a French tea press for his wife. He went to the Afternoon Tea Store. The prices for their teapots were $61.68, $15.69, $17.88, and $61.83. What is the range of prices?

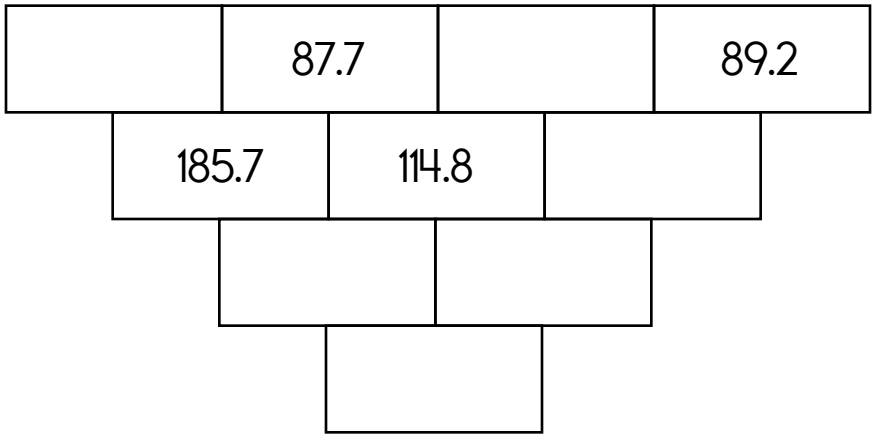
Anna used 1.7 tubes of toothpaste each month. How many tubes will she use in a year? Write your answer as a mixed number.

Name: _____

The block below is the sum of the two blocks above. Fill in the missing blocks.







word root **son** can mean **sound** **sonar, sonogram**

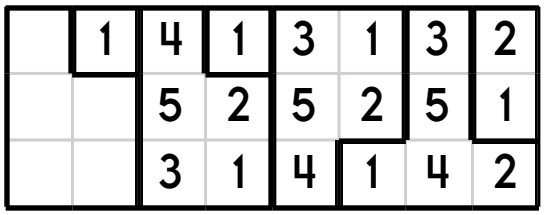
Name: _____

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

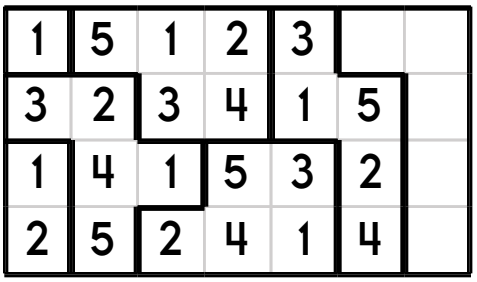
Dark lines surround a block. Numbers to use in a block:

A block with 1 space has to be the number 1.
A block with 2 spaces must have the numbers 1 and 2.
A block with 3 spaces must have the numbers 1, 2, and 3.
A block with 4 spaces must have the numbers 1, 2, 3, and 4.



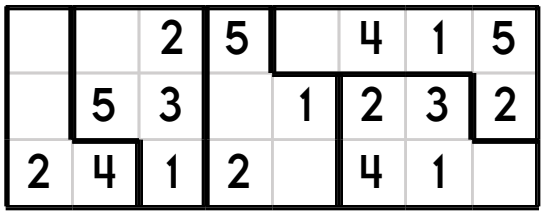
An entire block with 5 spaces is blank. Since the block is 5 spaces it uses the numbers 1-5.

1 3 2 5 4



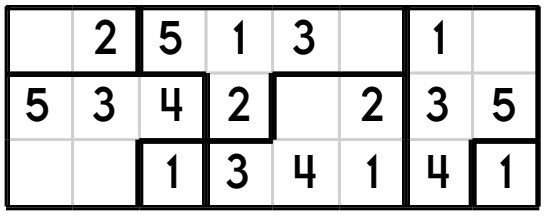
An entire block with 5 spaces is blank. Since the block is 5 spaces it uses the numbers 1-5.

2 1 5 3 4



Hint - These numbers are missing:

4 5 4 3 3 1 3

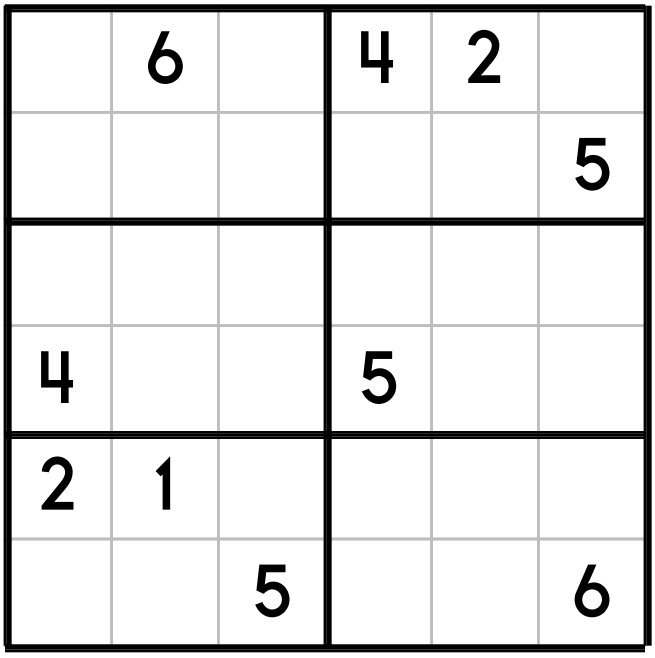


Hint - These numbers are missing:

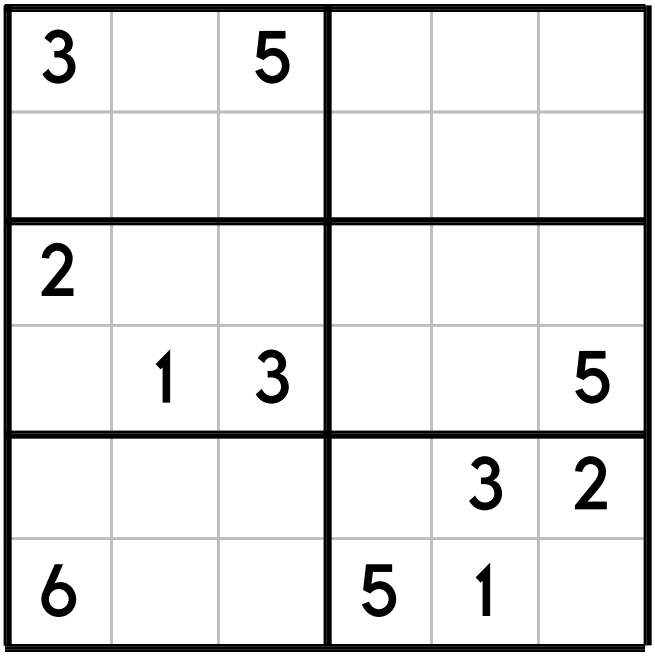
5 2 4 1 1 2

Name: _____

Each row, column, and box must have the numbers 1 through 6.



Each row, column, and box must have the numbers 1 through 6.



Name: _____

Each box needs a number from 1 to 9. You may re-use numbers.

sum of 5 →						sum of 10 ↓	
sum of 4 ↓	sum of 6 →	4	1	1			
				sum of 9 →			
	sum of 6 →	2		3			sum of 3 ↓
	sum of 8 →						
sum of 6 →		3			sum of 7 ↓	sum of 5 ↓	
sum of 8 →					4		
sum of 9 →							

	sum of 8 ↓	sum of 9 ↓	sum of 8 →				
sum of 7 →					sum of 5 ↓	sum of 8 ↓	
sum of 10 ↓		2		sum of 7 →			
	3		sum of 8 →				
			sum of 6 ↓	sum of 9 ↓	sum of 4 →		
	sum of 9 →	3	3	3			sum of 4 ↓
		sum of 6 →					2
	sum of 6 →		1	3			

Wendy cannot open her locker. She knows that the four numbers are: 21, 30, 20, and 23, but she cannot remember the order of the numbers. How many different combinations are there? List ten of them.

Can 687 be evenly divided by 6? Circle:
687 is evenly divisible by 6
687 is NOT evenly divisible by 6

19,524 + 65,286 = _____

18 ÷ 9 = _____

10 x 11 = _____

81 ÷ 9 = _____

12 ÷ 3 = _____

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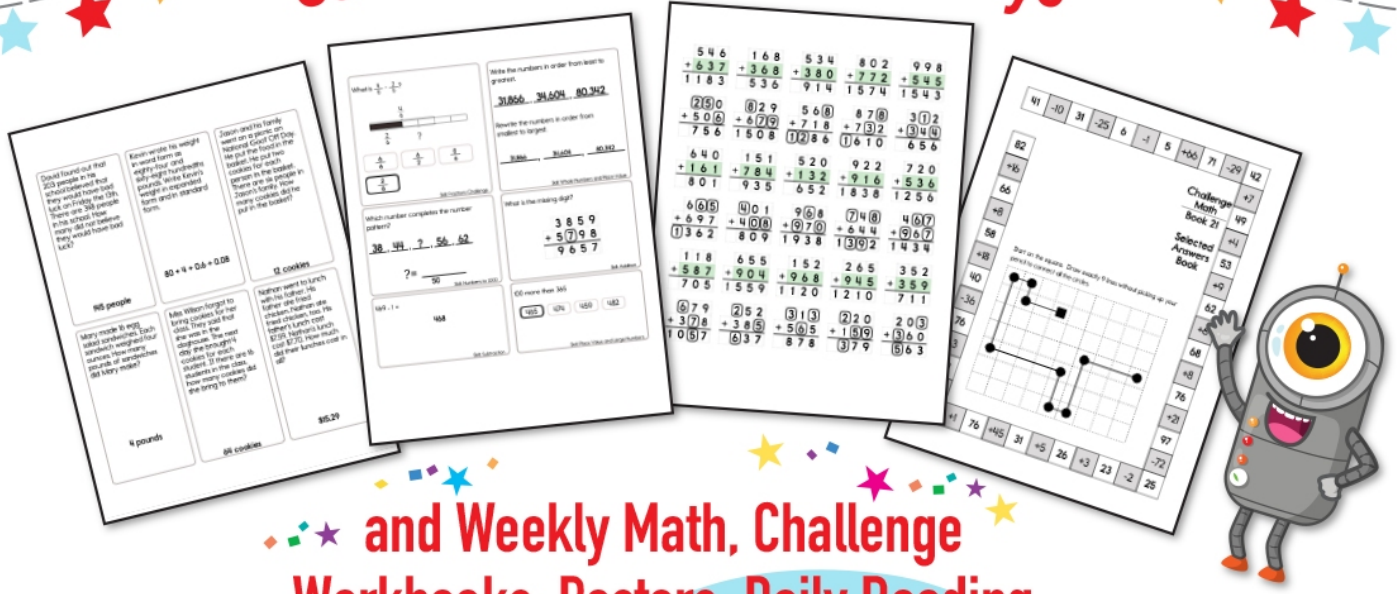

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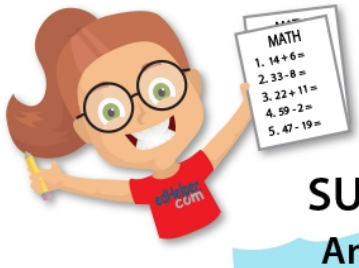

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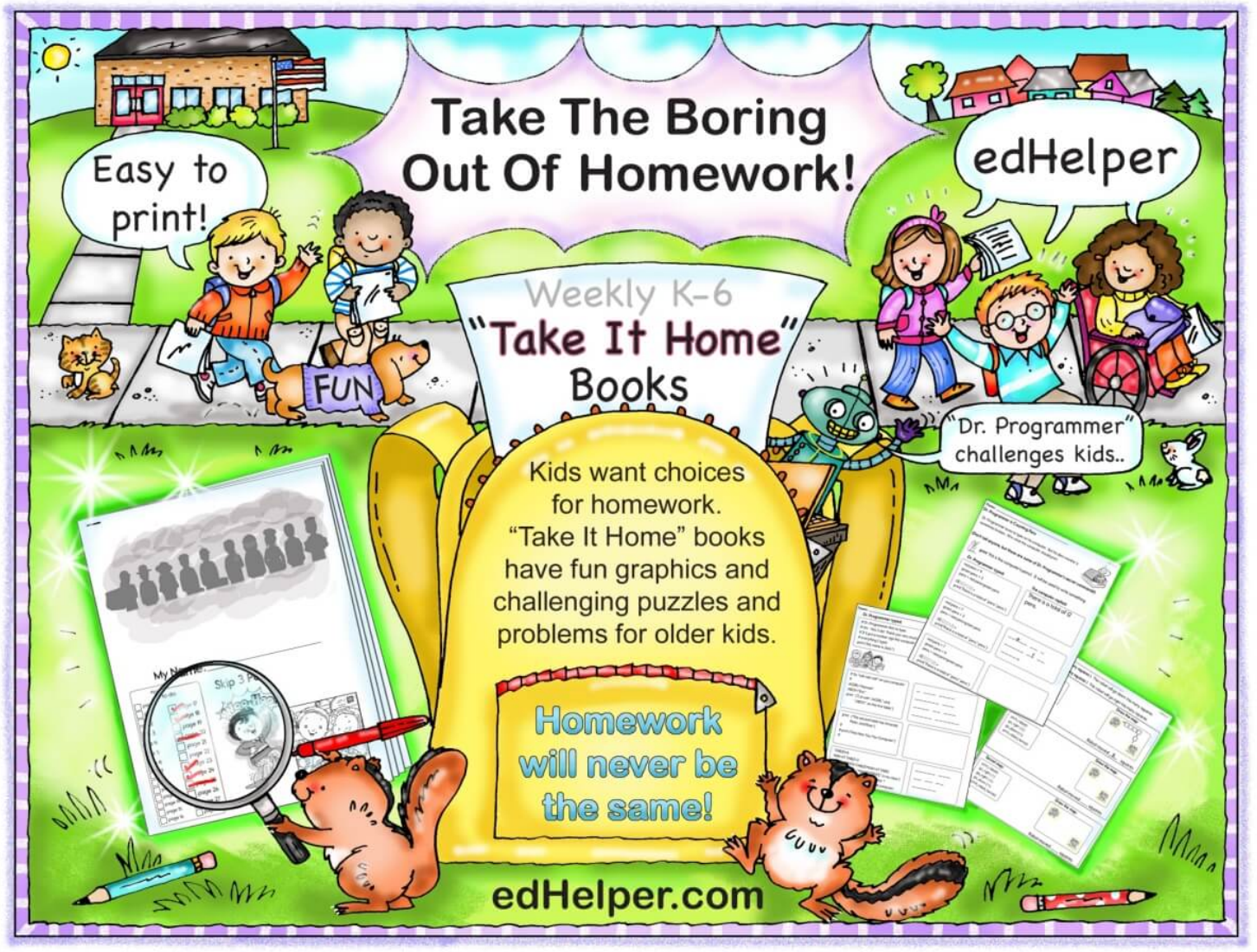
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