Name: _____

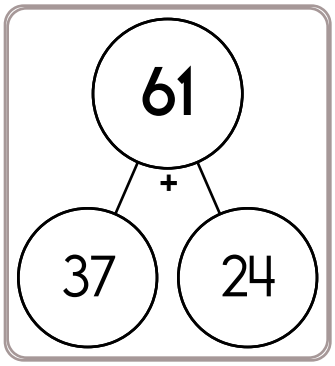
The 6th-grade classes are selling spring flowers for a fundraiser.
The sale will run the last week of school before spring break.
"Last year we sold 200 flowers," said Mr. Johnson. "I think this year we can do better. Let's set a goal to sell 250 flowers."
They can buy flowers from one of these florists:
Hannah's Florist will sell us a mix of flowers. They charge $128 for 65 flowers. You can only buy in lots of 65.
Michael's Flowers will also sell a mix of flowers. They charge $40.80 for 20 flowers. They only sell in lots of 20.
Flowers & Bulbs will sell in lots of 100 flowers, for a total of $180.
If you are in charge of buying the flowers, based solely on price, what would you buy?

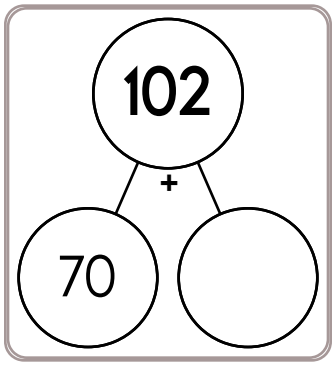
Megan is not happy. She doesn't think price should be the only driver of what they buy.
What else should be considered to have a successful spring flowers fundraiser?

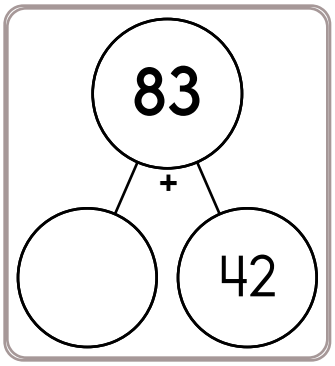
Name: _____

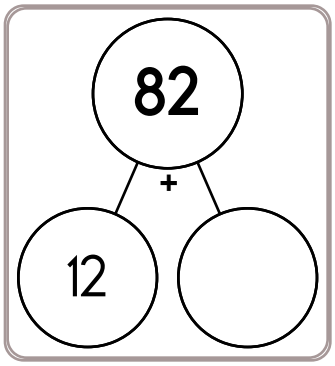
40 ÷ 4 =	4 ÷ 2 =
16 ÷ 8 =	48 ÷ 4 =
14 ÷ 7 =	80 ÷ 10 =
144 ÷ 12 =	33 ÷ 11 =

$3\overline{)27}$	$8\overline{)56}$	$8\overline{)48}$	$9\overline{)36}$
$3\overline{)15}$	$7\overline{)35}$	$2\overline{)6}$	$4\overline{)16}$
$2\overline{)8}$	$3\overline{)6}$	$3\overline{)21}$	$4\overline{)12}$









Name: _____

Eric decided to run one mile every 5 days. Nathan decided to run two miles every 3 days. If they both start on Friday, May 27, when will they both run on the same day again?

Jack bought a commercial antivirus software package for $42.95 plus 7.75% sales tax. After a 10-day trial period, he returned it to the store and received a refund of 60% of his cost (including tax). How much money did he get back?

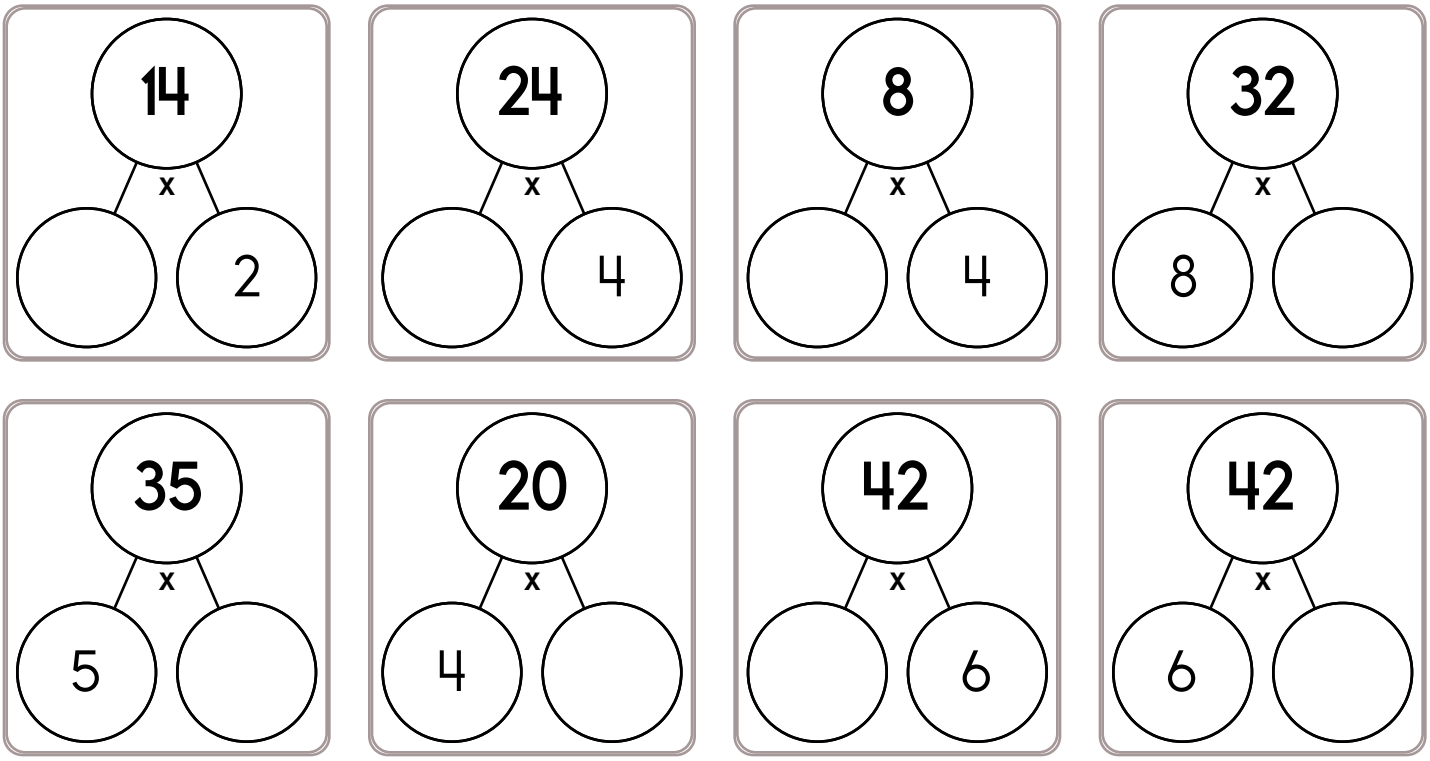
The (make-believe) country of Slowmonia is always super slow. But they are hard working, and after 25 years of research, the country of Slowmonia launched a rocket into space to land on Pluto. It is slow! It travels 3.543 kilometers in a month. How far will it travel in 64 years?

Express $\frac{2}{6}$ as a repeating decimal.

word root **struct** can mean **build** **construct, destruct**

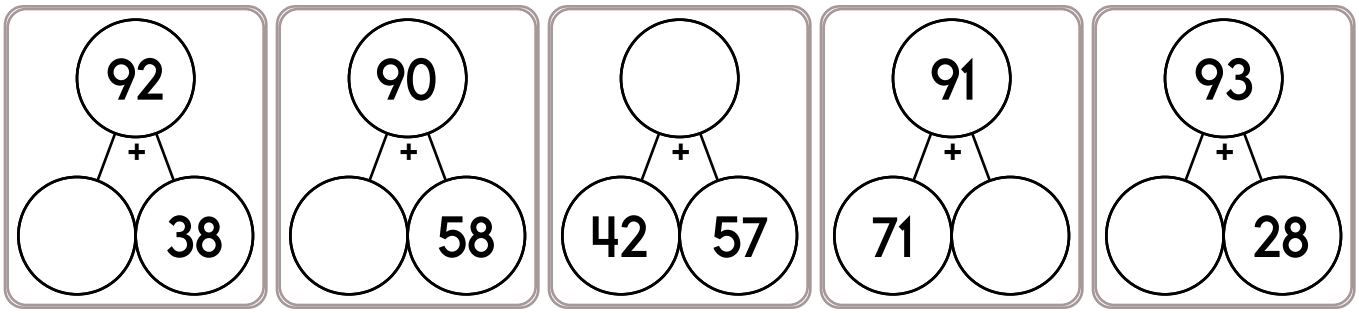
Name: _____

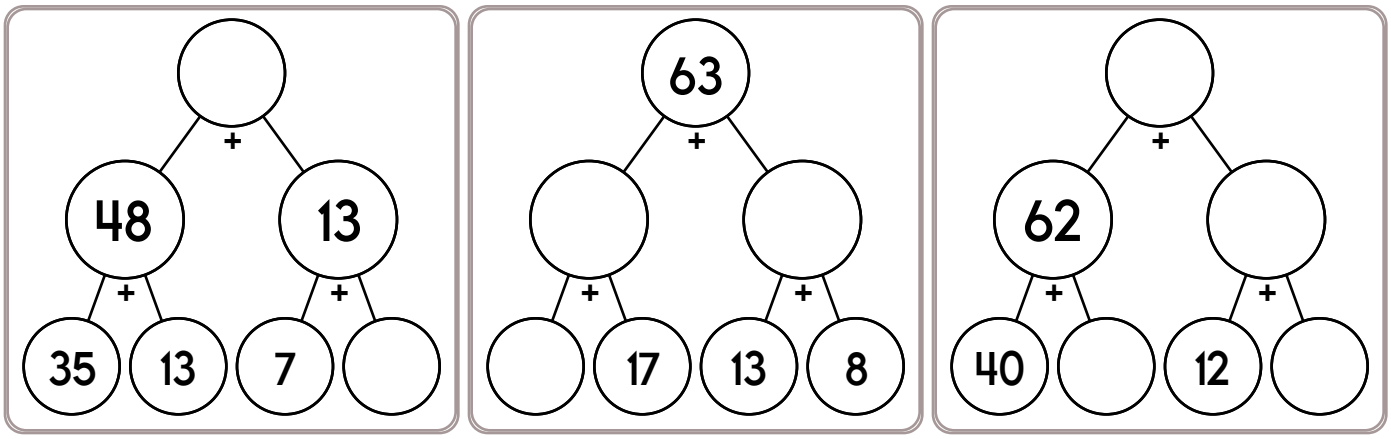
___ - 77 = 1	65 - ___ = 9	___ - 28 = 13
87 - ___ = 71	___ - 73 = 17	___ - 43 = 32
65 - ___ = 9	60 - ___ = 15	___ - 47 = 1
___ - 84 = 12	17 - ___ = 6	29 - ___ = 14

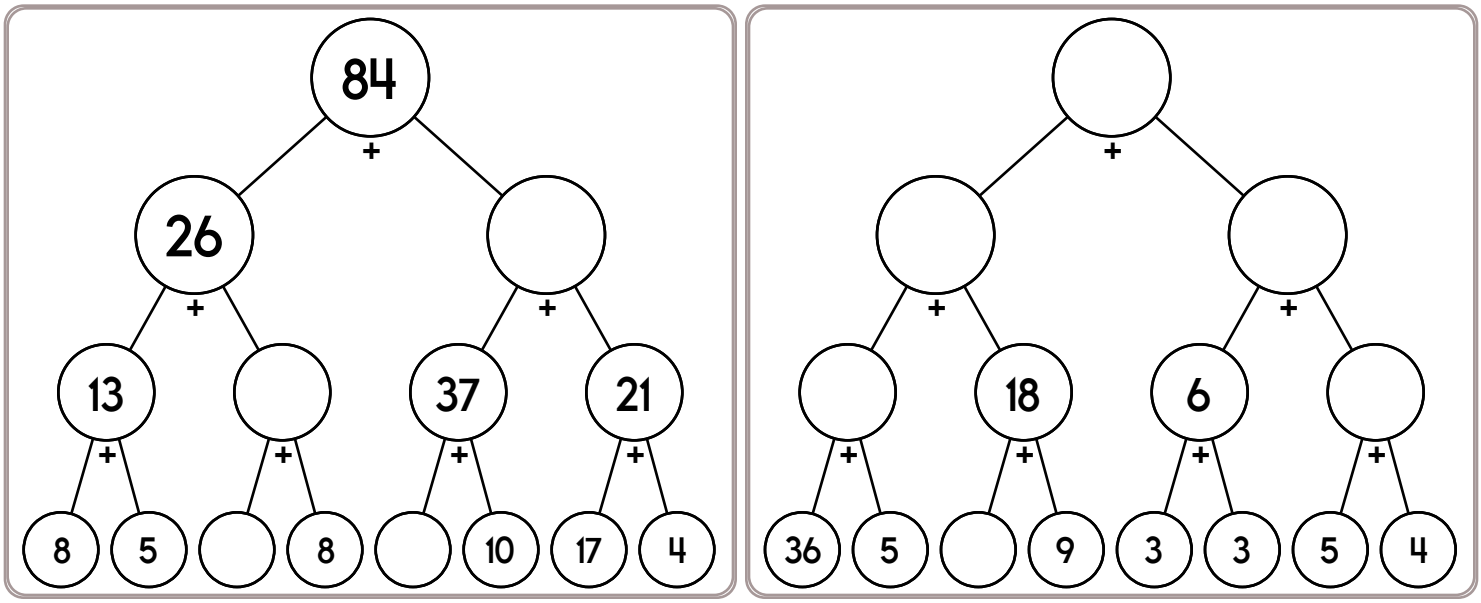


96 - 58	98 - 23	34 - 23	96 - 53	66 - 11	80 - 62
79 - 32	85 - 52	75 - 70	85 - 63	69 - 61	47 - 46

Name: _____







What is the least common multiple of 3 and 6?

x + 6 = 14

7 - y = 3

Name: _____

Estimate quickly the difference.
4,140 - 2,690

(12 + 6) - 5

Write $\frac{5}{20}$ in lowest terms.

-14 + -8 =

-15 ÷ -3 =

-3 - 6 =

Write as a decimal.

$6\frac{31}{100}$

Write as a decimal.
Ten thousandths

Write as a decimal.

$\frac{3}{10}$

19s - 20.6 = 131.4

s =

If p = 4 and z = -26 then what is 7p + 8z - 3z = ?

Each side of a regular pentagon is 15.8 centimeters. What is the perimeter?

8 x 10 x 5 - 11 + 12

8 + 66 ÷ 6 - 21 ÷ 3 =

0.1 (0.6 (0.1 + 6)) =

Name: _____

How many minutes is it from 7:00 a.m. to 10:45 a.m.?

$8 \div \frac{1}{5}$

104, 117, 130, 143, 156, _____, 182, 195, 208, 221

$17 + \frac{7}{12} + \frac{1}{2} =$

Reduce $\frac{7}{35}$ to its lowest terms.

Reduce $\frac{8}{22}$ to its lowest terms.

$6 + 4 \cdot 6 + 12$

If z = 5 and w = -29 then what is 5z + 8w - 3w = ?

Circle the greatest amount:
36%
0.25
$\frac{3}{25}$

6 - 14 =

Rewrite 19 - 6

___ + ___ = ___

6 - 8 =

Rewrite in scientific notation.

830,500,000

Rewrite $\frac{33}{50}$ as a decimal.

Rewrite $\frac{3}{25}$ as a decimal.

Name: _____

I am a whole number. One of my factors is 8. One of my digits is 2. I am less than 40. What number am I?

Wendy is riding her bike and Anne is riding a scooter around the block. They both started riding at exactly 2:16. Jacob is lazy. He is just sitting on the porch watching Wendy pass by every 6 minutes and Anne pass by every 7 minutes. At what time will Jacob see them pass by at the same time?

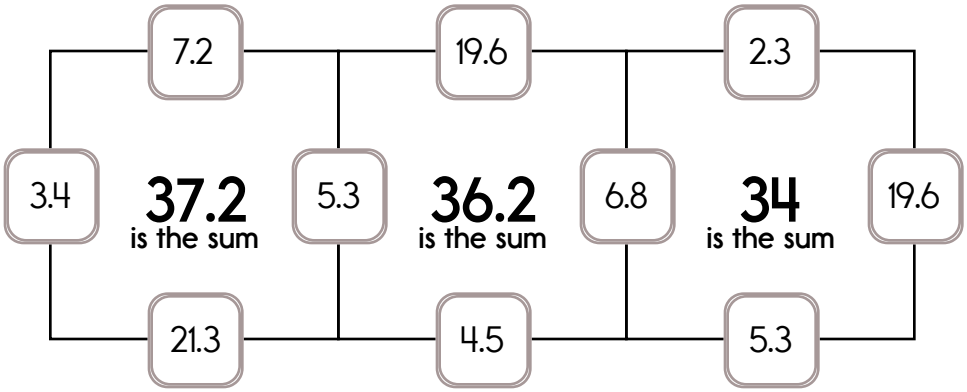
Name: _____

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

Example:
3.4 + 5.3 + 7.2 + 21.3 = 37.2

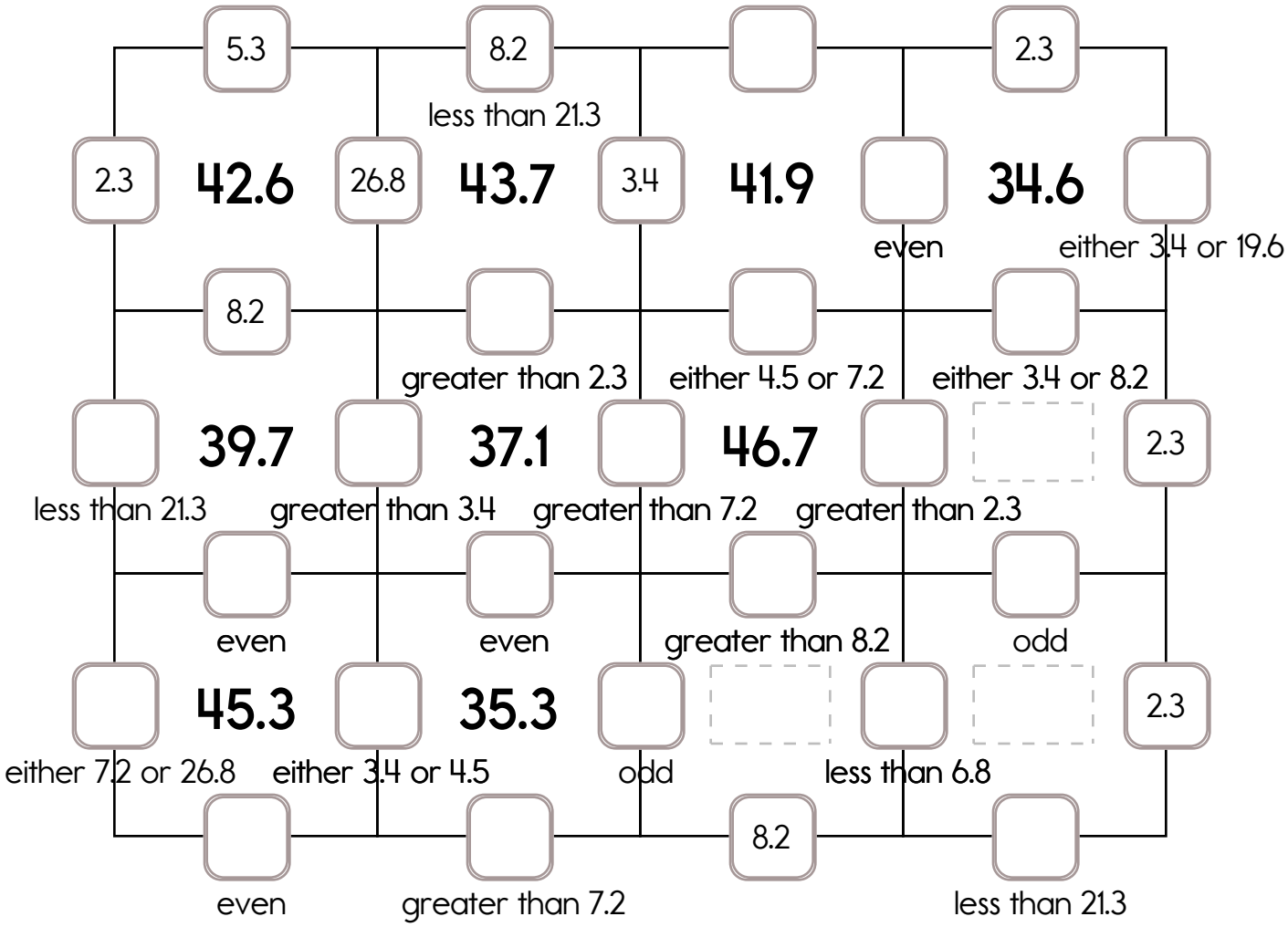
Example:
6.8 + 19.6 + 2.3 + 5.3 = 34

Sample:



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

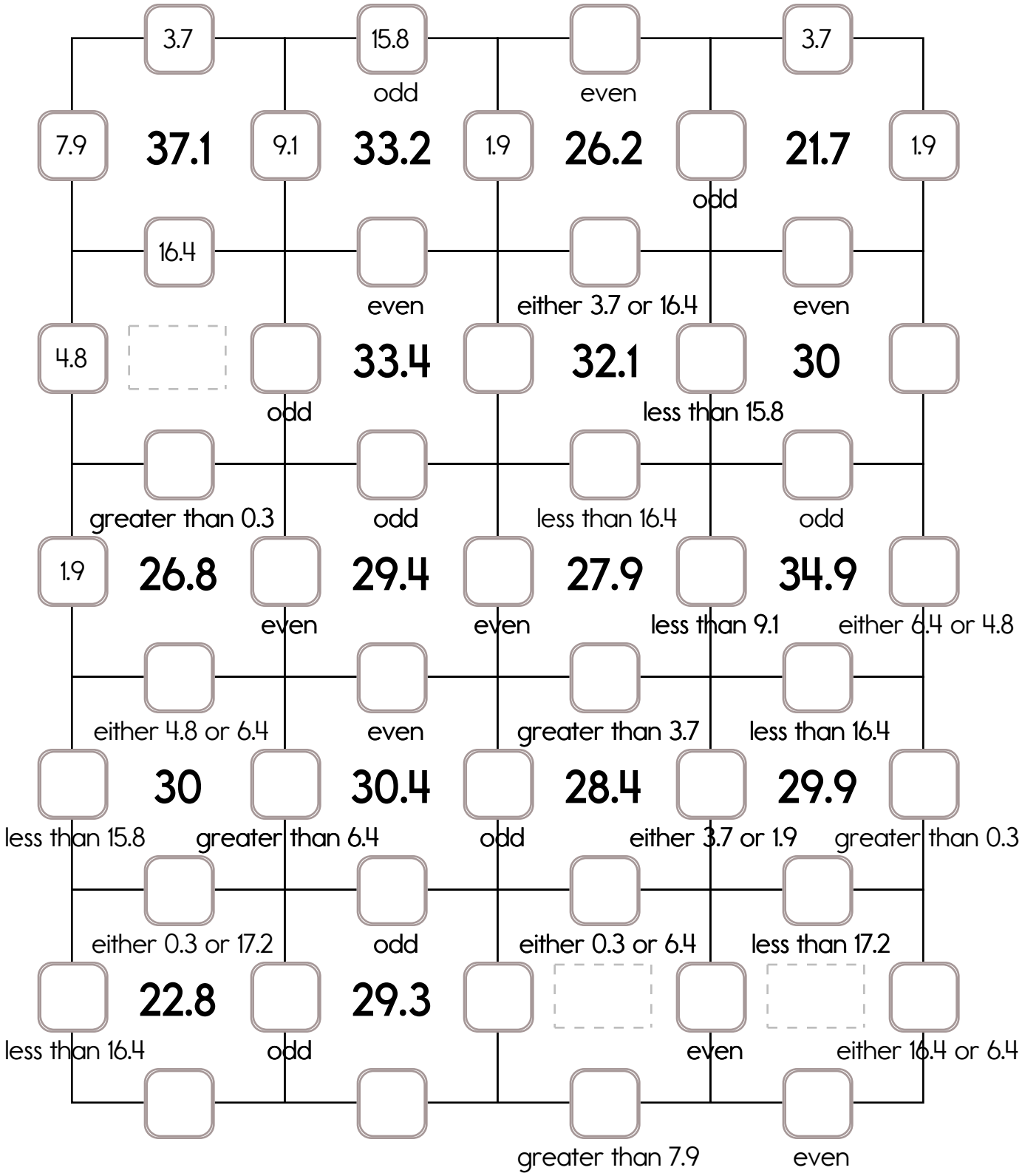
Exactly one of the four numbers has to be one of these numbers: 19.6, 26.8, or 21.3. The other three numbers have to all be DIFFERENT and must be from these: 8.2, 5.3, 2.3, 6.8, 7.2, 3.4, or 4.5.



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: 15.8, 17.2, or 16.4. The other three numbers have to all be DIFFERENT and must be from these: 7.9, 9.1, 1.9, 4.8, 6.4, 3.7, or 0.3.



Name: _____

Draw a line to match each problem with the same answer.

84% of 200	30% of 20	19% of 100	76% of 25
95% of 40	19% of 200	24% of 175	21% of 200
96% of 175	12% of 50	50% of 156	37% of 200
20% of 115	23% of 100	100% of 74	39% of 200

What 4 coins add up to 21 cents?

Write $\frac{8}{20}$ in lowest terms.

Round the decimal 0.355 to the nearest hundredth.

It's 10:00 a.m. and Megan is getting ready for soccer practice. If practice starts at 3:55 p.m., then how much longer until soccer starts?

8, 10, 12, _____, 16, 18

$6 \div \frac{1}{8}$

The perimeter of a rectangle is 18 cm. The longer side is 6 cm. How long is the shorter side?

96, 108, 120, 132, 144, _____, 168

9 - 2 + 8 + 9

word root **proto** can mean **first** **protoplasm, prototype**

Name: _____

Circle the one that is smaller.

a. $\frac{34}{3}$ or $\frac{34}{4}$

b. $44 + \frac{1}{3}$ or $44 + \frac{1}{4}$

c. $\frac{1}{5}$ or $\frac{1}{6}$

d. $\frac{1}{7} + \frac{1}{7}$ or $\frac{1}{6} + \frac{1}{6}$

e. $56\frac{1}{5}$ or $56\frac{1}{4}$

Amy and Emma each wrote games for their phones, and the games are taking off!

After the first day, Amy's game had 5 users. On day 2 she had 10 users. On day 3 she had 20 users. On day 4 she had 40 users.

After the first day, Amy's game had 6,000 users. On day 2 she had 19,500 users. On day 3 she had 33,000 users. On day 4 she had 46,500 users.

If these patterns continue, whose game will have the most users on day 10?

Jenna and Sara are playing games on their phones. Who spent the most money?

Jenna bought an avatar for 389 FunBucks. She also bought some stickers for 39 FunBucks.

Sara bought a badge for her avatar for 68 PlayBucks.

1 US Dollar = 42 FunBucks

1 US Dollar = 6.7 PlayBucks

Circle the one that is smaller.

a. $9 \div 7$ or $10 \div 8$

b. $5 \div 10$ or $4 \div 9$

c. 5.00065 or 5.00000065

d. 70,000 m or 7 cm

e. 4 m or 400 km

f. 3.0000081 or 3.000081

g. 6,000 km or 6 cm

h. $4 \div 9$ or $3 \div 8$

Name: _____

Find two consecutive numbers that have a sum of 165.

Find three consecutive numbers that have a sum of 132.

Starting with the number 30, write three consecutive multiples of 30. Is the sum divisible by 3?

Mary and Sarah want to play Move Fast, their favorite board game. All you do is spin twice, take the sum of your two spins, and move. But if you get the same sum two times in a row, you go to the spot on the board labeled Thunderstorm. The spinner has the numbers 4, 7, and 11 on it. How many different sums are possible?

Mary got a sum of 18 on her first move. What is the chance that she will go to Thunderstorm on her second move?

Rose created a chart of whole numbers starting from 0 to 200. She drew a rectangle around each number. What is the 16th even number on her chart?

How many even numbers are on her chart?

Name: _____

Sarah was curious about what day will be her teacher's birthday. Today is Friday, and it is the 74th day of school.

"My birthday will be celebrated in 58 school days. There are 5 days each week for school, and I counted 3 holidays when we will not have school. Anyone know on what day of the week will be my birthday?" asked Mr. Smith.

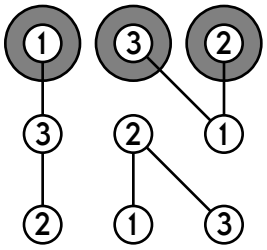
Bob, the donut guy, is working on a new type of donut called the 1.6-ounce sugar mini donut. Each donut weighs precisely 1.6 ounces. About $\frac{1}{4}$ of the donut consists of milk, yeast, flour, and eggs. The rest of the donut is sugar. Yum!

How many ounces of sugar is needed for each donut?

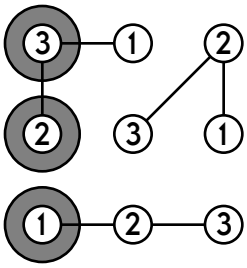
What is $\frac{5}{6}$ of 210? Show your work.

Name: _____

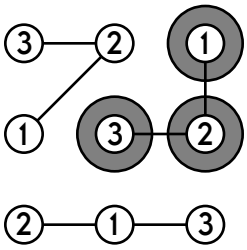
Each column must contain different numbers.

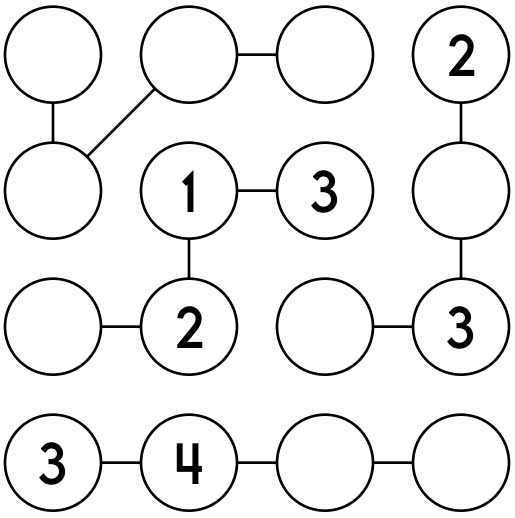


Each row must contain different numbers.

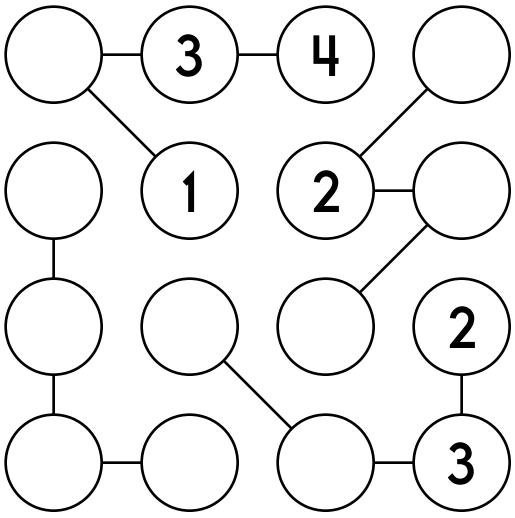


Each connected group must contain different numbers.

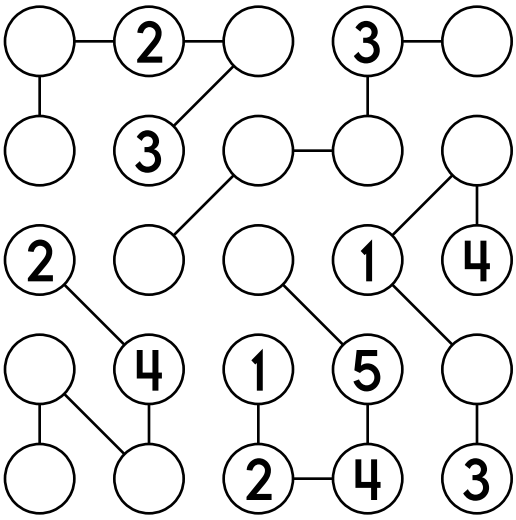




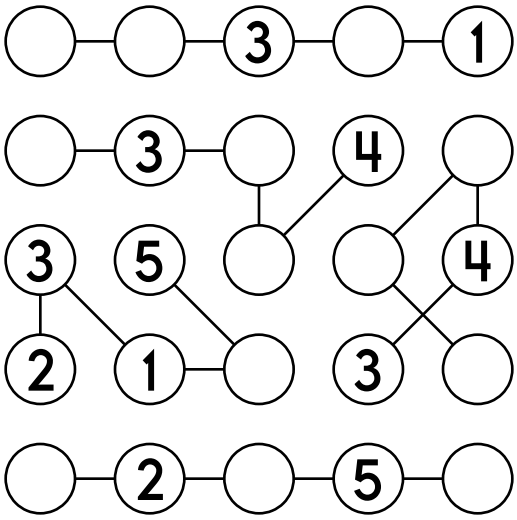
Use the numbers 1 through 4.



Use the numbers 1 through 4.



Use the numbers 1 through 5.



Use the numbers 1 through 5.

Name: _____

Sudoku Sums of 13

Each row, column, and box must have the numbers 1 through 9.
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 13.

Here is an example of a sudoku sum of 13:

9	4

			9	2	1			
			5					6
8			6					
6				9	4		5	2
9				6			3	
5			3		2			
3		9			8		7	5
		2	7			4		9
		8			9			

692 - 445 = _____

32 ÷ 4 = _____

$$\begin{array}{r} 87 \\ -\ 57 \\ \hline \end{array}$$

Circle the smallest number:

7,814,962,053

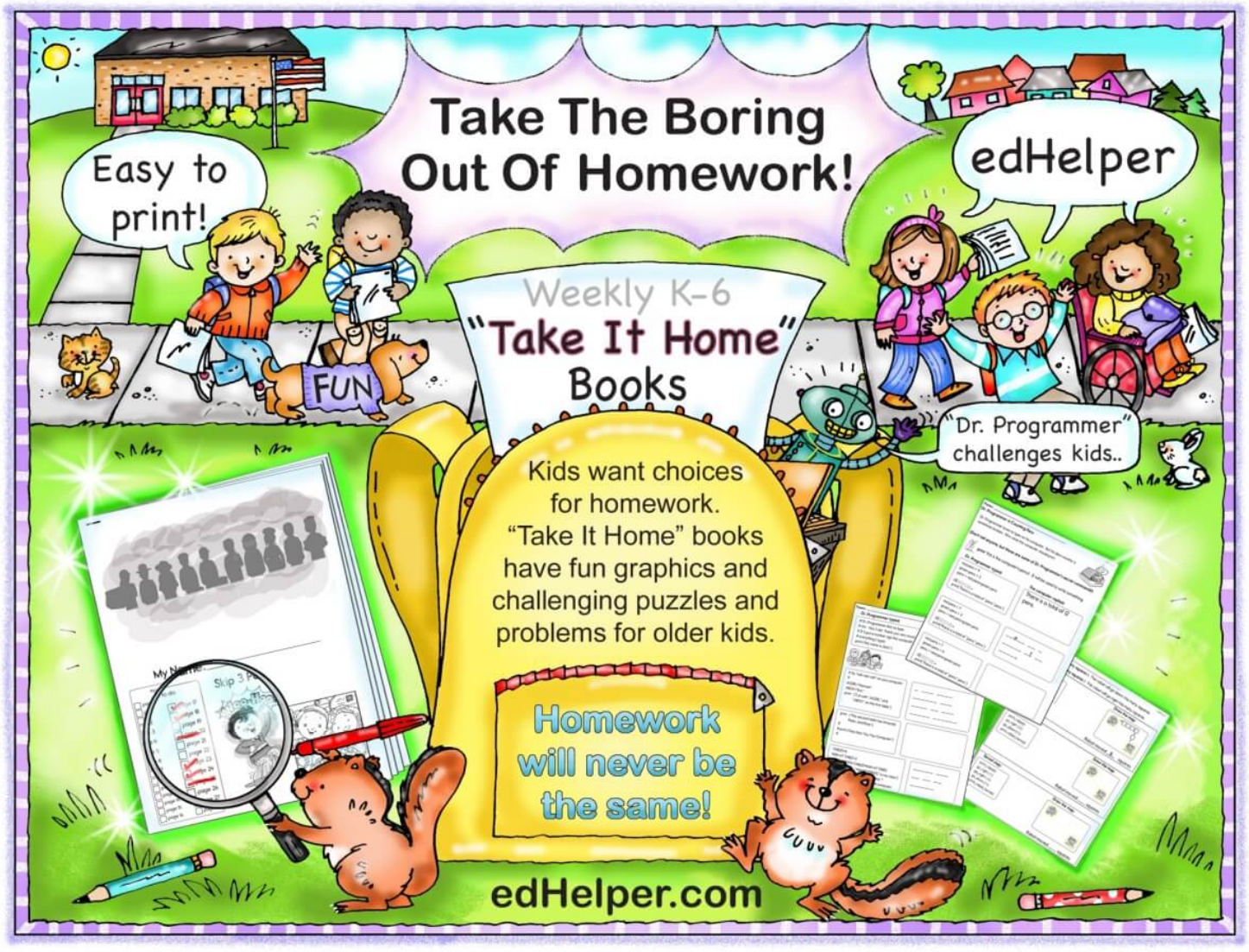
461,250,798,726

471,320

89,653

word root **extro** can mean **outside of** **extroversion, extrovert**

Where can I get more of this great stuff?
More math!
More spelling!
It's NO PREP at edHelper.
More history!
CLASS RULES
edHelper.com!
New online math games!
More things for the classroom!
More science!
New ideas!
More puzzles!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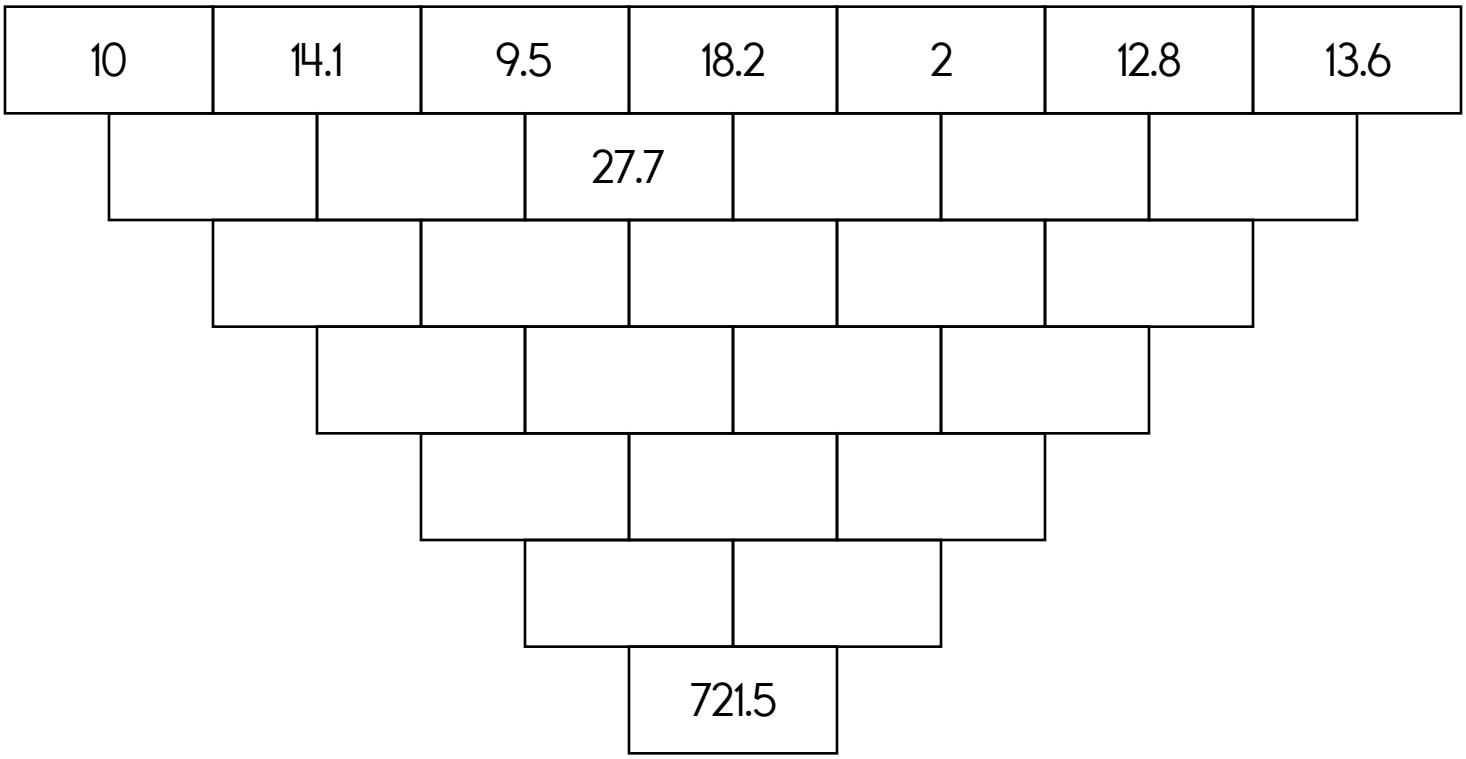
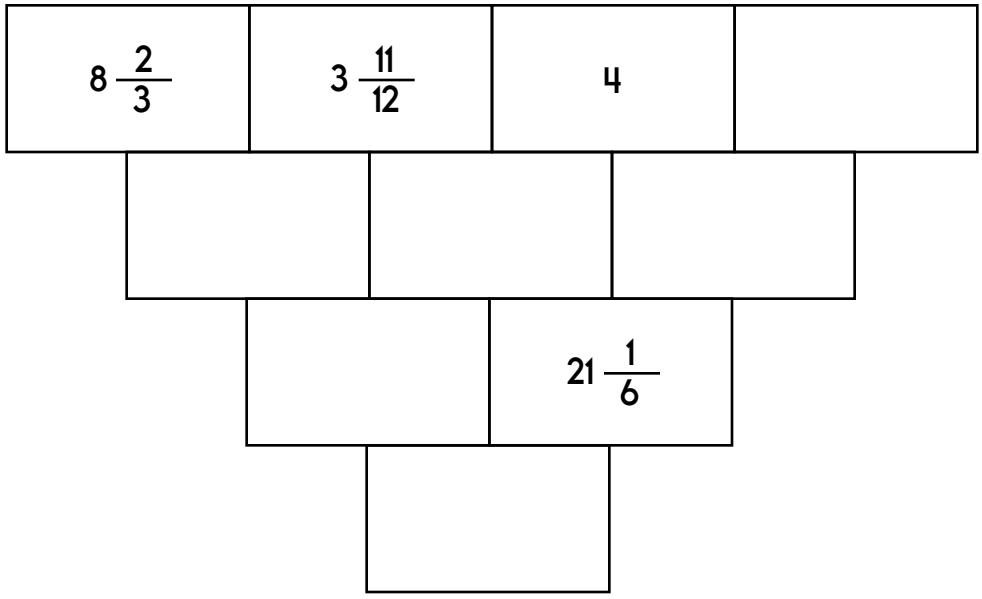
Name: _____

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





Sarah rolls two dice. What is the chance of her rolling a 3 on one die and a 1 on the other die?

_____

12 x 4 = _____

11 x 3 =

$$\begin{array}{r} 23 \\ +\ 43 \\ \hline \end{array}$$

word root **vert** can mean **turn** **extrovert, revert**

Name: _____

List all the numbers from 5 to 59 which are:

a. multiples of 6

b. multiples of 6 but not of 3

a. Which equation has the largest quotient?

21 ÷ 3 or 30 ÷ 3?

b. Which equation has the largest quotient?

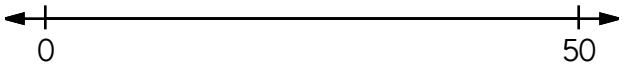
342 ÷ 19 or 456 ÷ 19?

c. Which equation has the smallest quotient?

665 ÷ 19 or 494 ÷ 19?

d. Which equation has the smallest quotient?

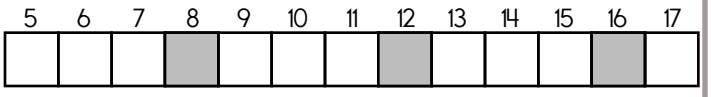
377 ÷ 13 or 312 ÷ 13?



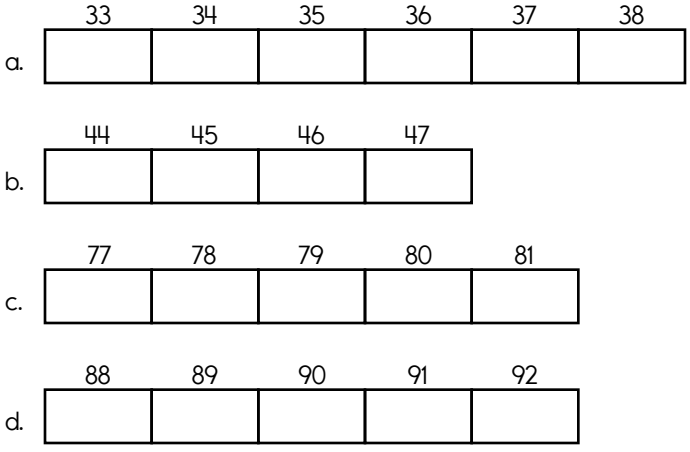
a. Show where 20 should go.

b. Show where 35 should go.

c. Show where 8 should go.



If this pattern continues, color how these squares would look:



Name: _____

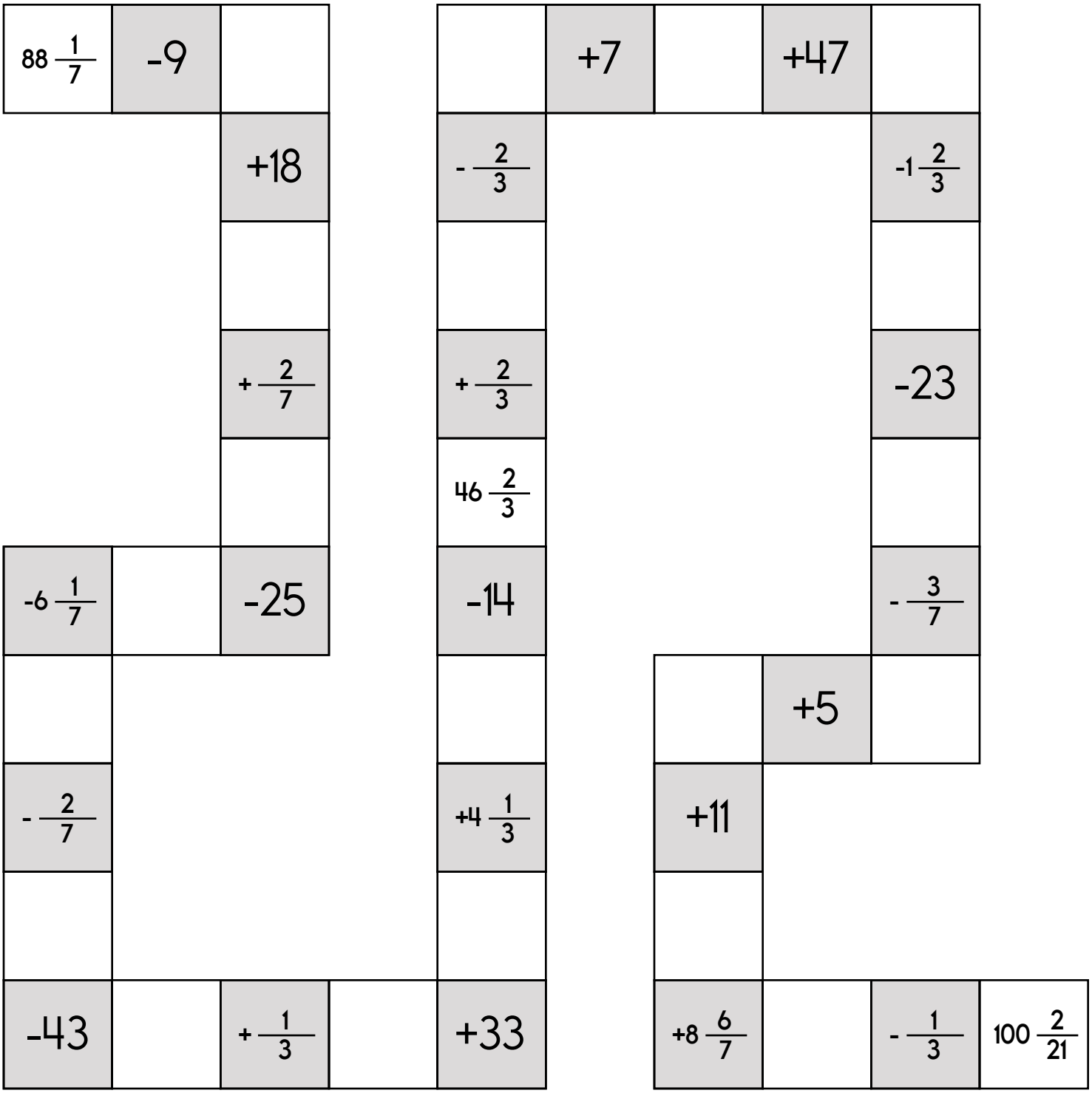
Amy has 33 coins. The total value of the coins is $4.40. All she has are nickels, dimes, and quarters. She only wants nickels and dimes, so she gave her brother all of her quarters. There was a total of 8 quarters. How many dimes does she have?

A robot came out of a box knowing some words. It knew a total of 39 words after 5 days. Each day it learned 5 new words. How many words did it know after learning 5 new words on the first day?

How many words did it learn after the third day?

Sarah finished her science project in three and a half hours. Amy took 11,220 seconds to finish hers. Who took longer and by how much longer did she take?

Name: _____



Fill in the missing operations to complete this equation:

17 ____ 15 ____ 16 = 271

What time is 13 hours after 2:00 p.m.?

_____

word root **pugn** can mean **fight** **pugilist, pugilism**

Name: _____

True, Not True, False, and Not False

True **True**

Not True **False**

False **False**

Not False **True**

With "OR" only ONE true is needed.

True or False **True**

True or True **True**

False or True **True**

False or False **False**

False _____

Not False _____

Not True _____

True _____

True or False _____

False or True _____

False or False _____

True or True _____

1 lb = 16 oz

12 lb = _____ oz

Justin has three dimes and one penny. He also has one other coin that is different from the rest of his coins. How much could he have?

$$\begin{array}{r} 473 \\ +\ 366 \\ \hline \end{array}$$

48 ÷ 8 = _____

$$\begin{array}{r} 948 \\ -\ 252 \\ \hline \end{array}$$

10 x 10 = _____

3 x 8 = _____

How many ounces are in 5 pounds?

_____ ounces

51,565 - 43,495 = _____

40 ÷ 5 =

18 km = _____ m

8 x 11 = _____

Name: _____

"Or" Questions:	The computer will print:

if (true or false)
  print ("We have one true so it is true.");
else:
  print ("Everything is false so it is false");
	We have one true so it is true.

A = false or true; print (A);	true
A = true or false; print (A);	
A = false or false; print (A);	
A = not (false); print (A);	
A = not (true or true); print (A);	
A = not (true or false); print (A);	

word root **dict** can mean **speak or say** **diction, predict, prediction**

Name: _____

```
a="February";

if (a=="January") or (a=="February")
   print ("You are in group 1.");

if (a=="March") or (a=="April")
   print ("You are in group 2.");
```

___ ___ __ ____

__

```
P = "Brazil";

if (P=="Canada") or (P=="Mexico") or (P=="US")
   print ("That is in North America.");

else:

   print ("I am not sure where that is.");
```

_ __ ___ ____

____ ____

___

```
print("Need a NOT");
```

____ _ ___

```
A = not (true or true or false);
print (A);
```

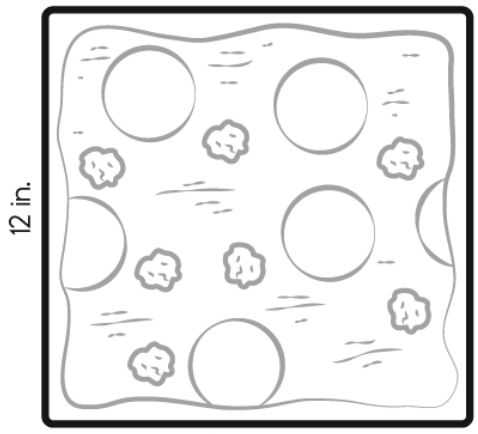
____

```
A = not ( not( true ) );
print (A);
```

Name: _____

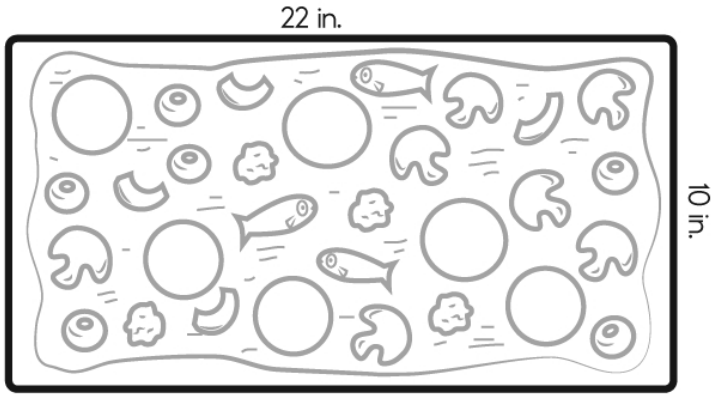
Tony's *Famous* Pizza Shop

Fill in the area and perimeter or circumference for each pizza.



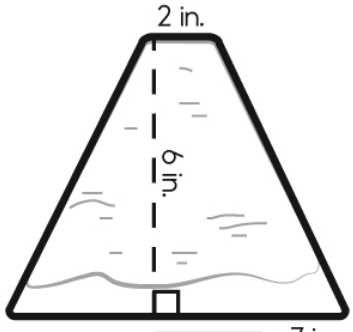
Area = ☐

Perimeter = ☐



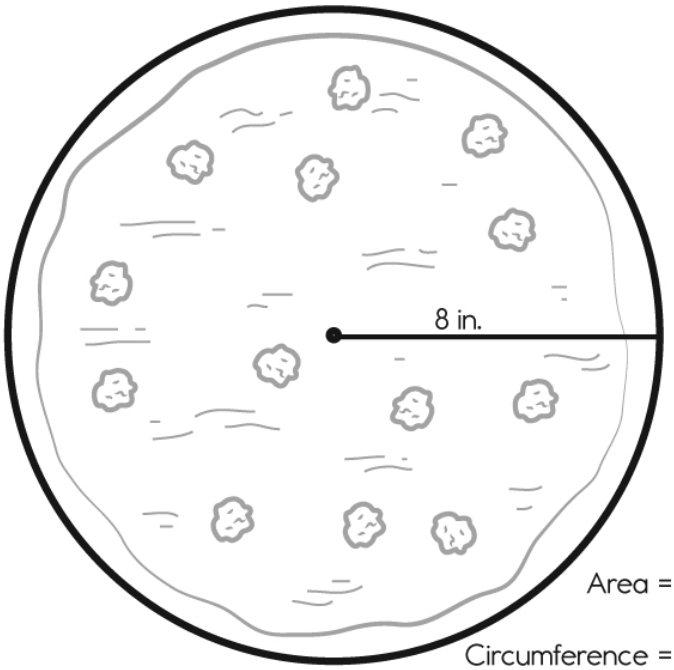
Area = ☐

Perimeter = ☐



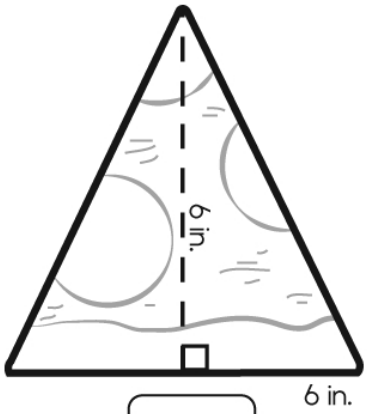
Area = ☐

Perimeter = ☐



Area = ☐

Circumference = ☐



Area = ☐

Perimeter = ☐

Name: _____

$8\overline{)288}$ $24\overline{)1320}$ $28\overline{)168}$ $20\overline{)400}$

$8\overline{)720}$ $35\overline{)70}$ $4\overline{)180}$ $72\overline{)2520}$

$18\overline{)216}$ $81\overline{)243}$ $11\overline{)132}$ $33\overline{)1485}$

Simplify.

$\frac{228}{342}$ =

0.5 (0.9 (0.5 + 7)) =

If g = -5 and j = 42 then what is 12g - 12j - 3j = ?

Simplify.

$\frac{18}{36}$ =

y = x + 14
y = 22
What is the value of x?

9.8886×10^{4} =

Name: _____

Puzzle:

5				240
				324
				324
				216
720	72	324	324	X

Work Area:

5				240
				324
				324
				216
720	72	324	324	X

The product for each column and row is given. Blanks use numbers 2 to 9 only.

= _____ = _____ = _____

= _____ = _____

Puzzle:

				648
				1,792
				896
				288
288	252	4,096	1,008	X

Work Area:

				648
				1,792
				896
				288
288	252	4,096	1,008	X

The product for each column and row is given. Blanks use numbers 2 to 9 only.

= _____ = _____ = _____

= _____ = _____

Name: _____

12f - 27.2 = 8.8

f =

Simplify.

$\frac{7{,}200}{14{,}400}$ =

What is the remainder of 47 divided by 6?

The angles in a quadrilateral measure 102°, 105°, 118°, and w°. What is the value of w?

What is the mode of the following number set?

75, 67, 73, 84, 87, 88, 72, 71, 74, 79, 78, 70, 76, 83, 86

At the dive meet Nathan received scores of 7.4, 7.2, 9.7, 9.5, and 7.6. The largest and smallest scores were dropped and the rest were averaged for a final score. What is the final score Nathan received?

2, 2, 8, 8, 2, 2, 8, 8, 8, 2, 2, 8, 8, 8, 8, 2, 2, 8, 8, 8, _____, 8, 2, 2, 8, 8, 8, 8

0.8 (0.3 (0.8 x 4)) =

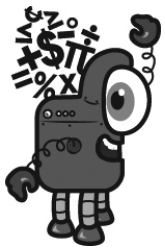
What is the greatest common factor of the numbers 90 and 105?

Name: _____

$5 + (40 \div 5) - 72 \div 12 =$	$4 \times 36 \div 4 - 24 \div 8 =$	$0.10 \cdot 3 =$
$\frac{14}{18} \div \frac{3}{6} =$	In what quadrant would you find the point (-11, -7)?	$\lvert -12 \rvert + d = 15$ $d =$
A circle graph has four sections. Only three sections are labeled. The labels are 28%, 24%, and 25%. What should the missing section be?	$\frac{1}{6} \times \frac{5}{8}$	Rewrite as an algebraic expression or equation. Add 15 to the product of 7 and t
If a = 7 and b = 62.1, then $3a + b - a =$	$\lvert -7 \rvert - f = 4$ $f =$	$t - 8 + t = 22$ What is the value of t?
0.3×0.07	$10 + 1 \div 1$	$5 + 8 \cdot 4 + 8$

Name: _____

Mental Math — #1 —



☺ Start with the number 45. 45

☺ Add one-fourth of a dozen. _____

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

☺ Multiply the tens digit by the ones digit. The product is your new number. _____

3 2 1 9 8 9 4 1 5 0

☺ Add the number of inches in 2 feet. _____

8 1 1 5 3 1 5 5 6 4

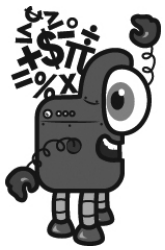
☺ Round to the nearest ten. _____

2 3 6 4 4 2 6 0 7 9

☺ Increase that number by 8. _____

4 2 3 1 6 8 2 9 6 3

Mental Math — #2 —



■ Start with the number 6. _____

3 2 6 8 8 0 5 2 7 6 (Circle your answer to double check you are correct.)

■ Multiply by 9. _____

6 0 3 9 1 5 4 9 4 9

■ Divide that number in half. _____

6 2 7 6 7 7 2 4 1 1

■ Subtract 15. _____

2 5 8 1 2 6 7 6 1 2

■ Add 4. _____

2 1 6 2 6 5 3 1 1 8

■ Find the square root. _____

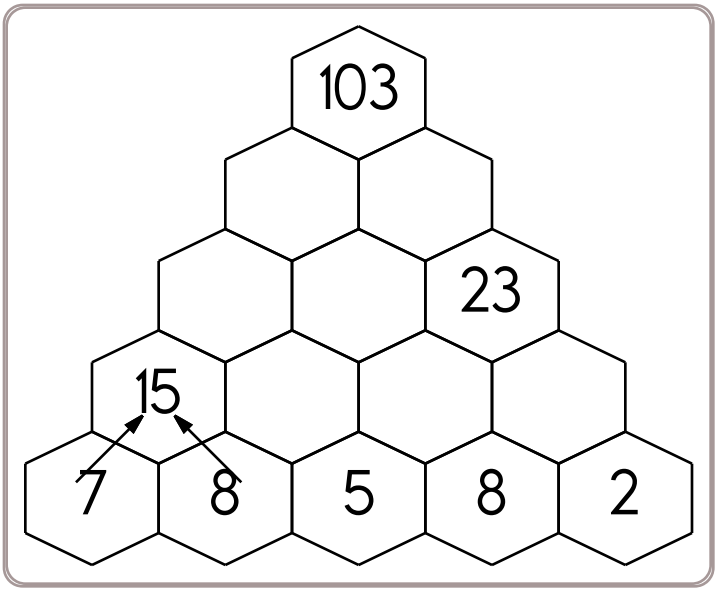
1 5 3 2 4 3 7 8 4 0

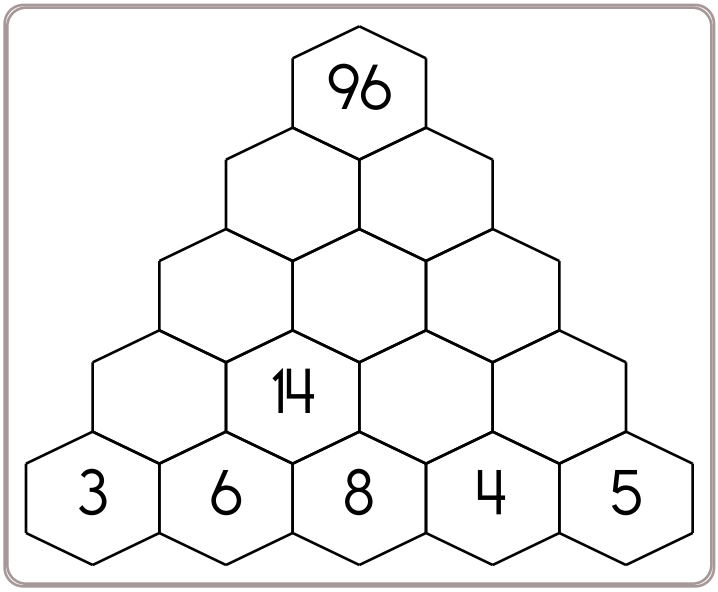
■ Add 37. _____

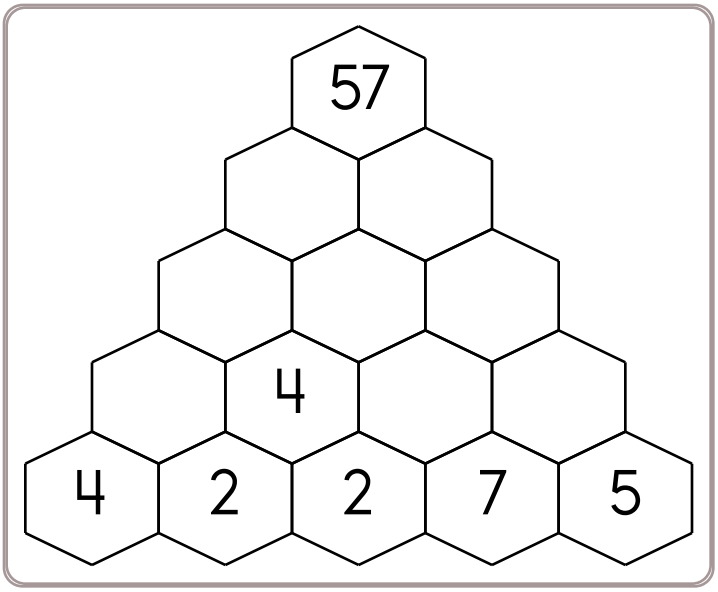
3 1 2 9 8 7 4 1 9 4

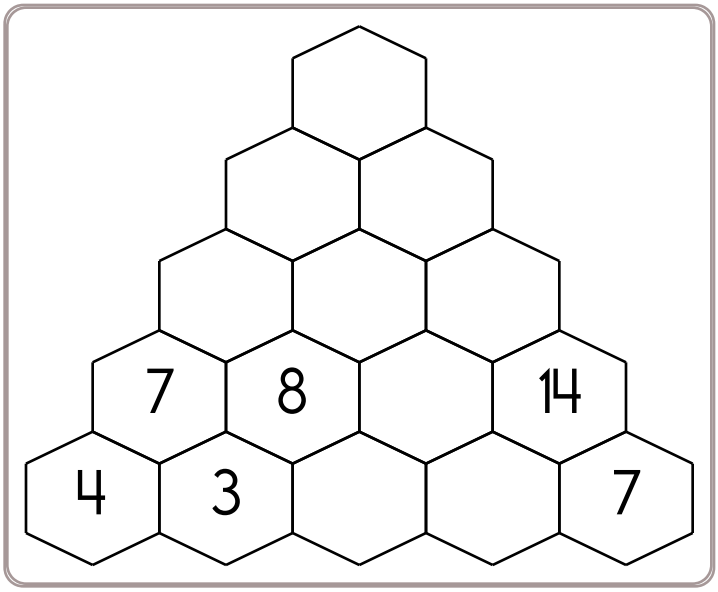
Name: _____

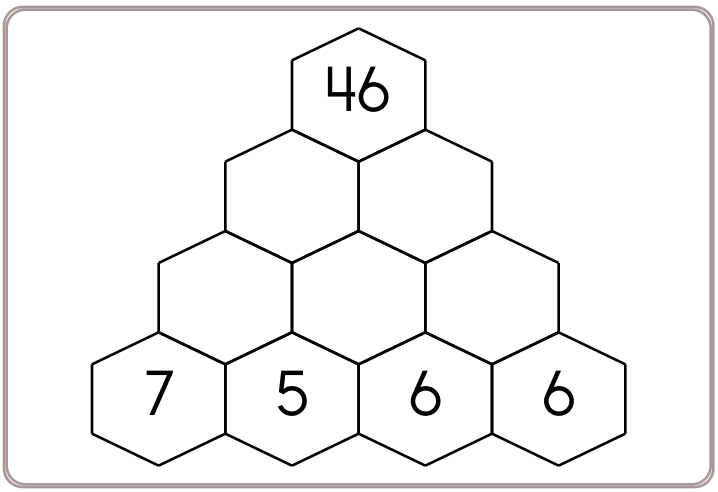
Fill in the blanks by adding the two numbers below each hexagon.

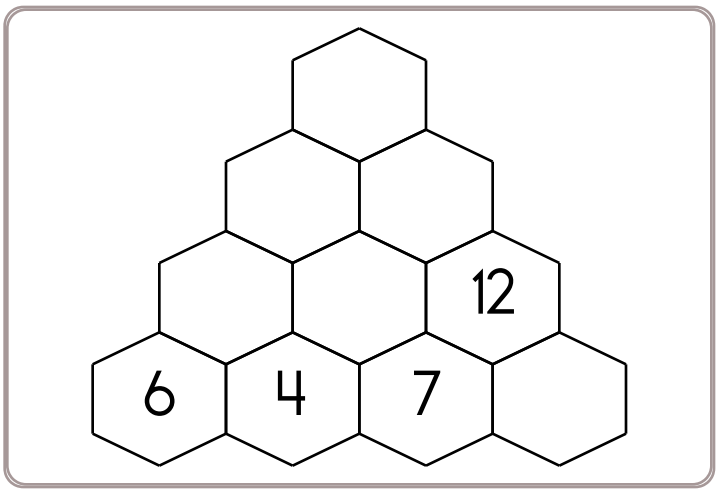












Name: _____

$7\overline{)17.591}$ $9\overline{)182.7}$ $6\overline{)1299.6}$

$4\overline{)9.464}$ $3\overline{)764.1}$ $9\overline{)366.3}$

The letter V has an unknown value. If you multiply V by eight, the product is two. What value does V have?

9 x (90 ÷ 9) - 48 ÷ 8 =

B, F, _____, N, R, V, Z

Simplify.

$\frac{14{,}800}{18{,}500}$ =

Each side of a regular pentagon is 31.5 centimeters. What is the perimeter?

$\frac{2}{10} \times \frac{1}{10}$

word root **hepta** can mean **seven** **heptagon**

Name: _____

A package of 10 jasmine blossom teabags sells for $1.82. The weight of the tea in each bag is 1.92 grams. How much does jasmine tea cost per gram?

In a 50 mph wind, the torch on the Statue of Liberty sways twelve and seven tenths centimeters. Write that number as a decimal.

At the mud factory, Purple's job is to scoop up mud and make it into kilogram blocks of mud. She loves her job! Today there were 57,366 milligrams of mud trucked in. Each mud block is precisely 1 kilogram, no less, no more. How many mud blocks can she make today?

Give two answers for x in each equation.

$$|-7 + x| = 4$$

$$|x - 17| = 7$$

word root **ate** can mean **to make or to act** **animate, equivocate, illuminate**

Name: _____

Three boys put all their pennies together to buy popcorn. Gavin gave $\frac{1}{2}$ of the pennies. Justin gave $\frac{1}{8}$ of the pennies. They had 424 pennies in all. How many pennies did Peter give?

The ratio of Coke syrup to carbonated water is 1:5. How much carbonated water would be used to dilute 25.6 gallons of Coke syrup?

Zeeka has invented a new space vehicle to go from his home planet of Zomba to his friend's planet of Oomba. It is a fun ride! It can fly at a speed of 600 mph. How far will it go in 5 minutes?

Anne rode her bike for 30 minutes. She went 5.3 miles. What is her speed in miles per hour?

Name: _____

Which two of these numbers have a product of 7.056?

8.4 0.32 0.54 0.054

0.032 0.084 5.4 0.84

Emma is trying to learn decimals. She only knows fractions. She's known fractions since she was 3. Now she is trying to learn decimals. Help her convert $\frac{3}{10}$ to a decimal.

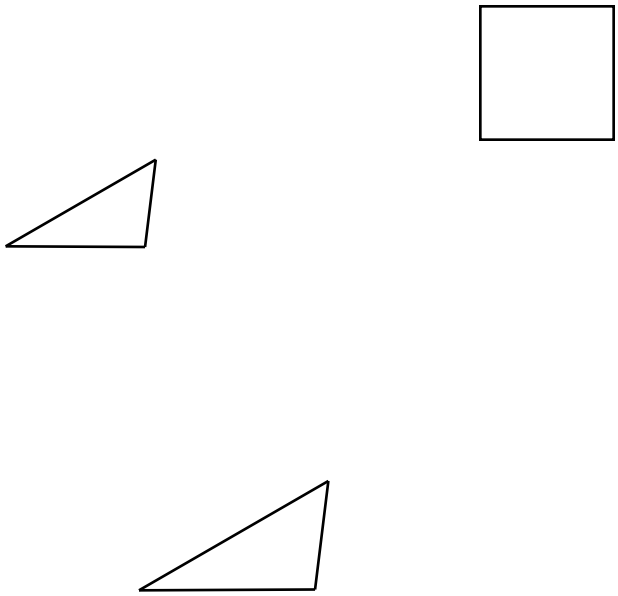
$8 \times 8 \times 8 = Z^y$

What is the value of Z and y?

p - $58 = $38
What is the value of p?

$\frac{4}{20} \div \frac{8}{10} =$

Name: _____



Color in approximately half of the area for each shape.

1	2
120	132
144	156
168	180
192	204

a. If this pattern continues, in which column would the number 6,480 be?

b. If this pattern continues, would the number 12,212 be in any of the columns? If so, which column?

Amanda is picking winning numbers for a game she is making. The first winning number is 3. She then doubles 3, and that is another winning number. She keeps doubling the number till she has four winning numbers.

What is the first winning number that is greater than 10?

Batting average = hits ÷ at-bats

Batting average is then rounded to the nearest thousandth.

Mary has 24 at-bats. She has a batting average of 0.667. How many hits does she have?

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.

1	4	2	4	2
2	3	1	3	1
1		2	4	2
			3	1

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

1 3 2 4

		3	4	3
		2	1	2
4	3	4	3	4
1	2	1	2	1

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

3 4 2 1

	1		1
3	2	3	2
4	1	4	1
	2		2

Hint - These numbers are missing:

4 3 4 3

1	2	1	2
	3	4	
2			1
3	4	3	4

Hint - These numbers are missing:

3 1 2 4

9 + 6 =	5 + 3 =	7 + 9 =	5 + 5 =	2 + 7 =	5 + 6 =

Name: _____

Fill in the missing numbers.

4	3		1
2		4	3
	3	2	
		4	3

Hint - These numbers are missing:

1 1 2 1 4 2

4	2	4	
3		3	1
2			4
	3	1	

Hint - These numbers are missing:

4 2 3 1 2 1

3	1	3	
		2	4
1	3	1	3
4			

Hint - These numbers are missing:

4 2 2 1 4 2

1	3		4
		1	
1	3	2	
2		1	3

Hint - These numbers are missing:

4 4 2 2 4 3

Circle the fifth letter.

B, 5, B, 1, 5, F, 8, F, B, 5, D, 9, A, 5, B, B, 9, 9

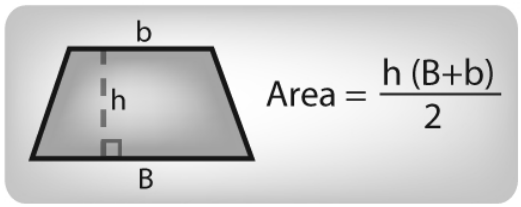
$$\begin{array}{r} 17 \\ -\ \square 5 \\ \hline \end{array}$$

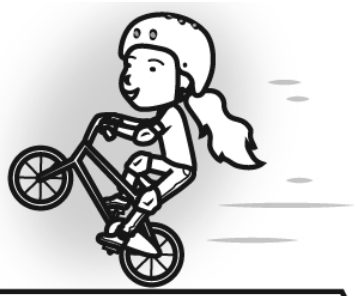
Circle the third number.

A, A, B, 3, 9, 3, F, D, F, 7, 3, 1, F, 5, B, 3, 3, A, D

Name: _____

Trapezoid AREA





7 ft.

2 ft.

A =

11 ft.

4 ft.

A =

4 ft.

8 ft.

3 ft.

10 ft.

A =

13 ft.

7 ft.

3 ft.

2 ft.

A =

20 ft.

3 ft.

A =

28 ft.

Name: _____

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

A **-**

58	99	87
68	95	89
70	75	59
98	88	23

Find a subtraction fact.

B **+**

99	83	23
25	18	19
63	77	32
37	49	27

Find an addition fact.

C **+**

10	63	79
40	82	55
11	59	33
8	97	17

Find an addition fact.

Equations:
Write the equation facts you found.

A		-	75	=	
B		+		=	
C		+		=	

The equation 18 - 11 + 24 = 31 uses three different numbers and two different equations.
Make up your own equation which also has three different numbers and two different equations. The answer to your equation needs to be 13.

Can 992 be evenly divided by 8? Circle:
992 is evenly divisible by 8
992 is NOT evenly divisible by 8

word root **cyt** can mean **cell** **cytoplasm, cytology**

Name: _____

Write the final part of each math analogy.

57 tens : 570 :: 57 hundreds : _____

Explain why you think your answer is correct.

February 9th : Monday :: March 11th : _____

Explain why you think your answer is correct.

third, seventh, ____, fifteenth : eleventh :: first, fifth, ____, thirteenth : _____

Explain why you think your answer is correct.

GFDGFDG____ : F :: CKPCKPC____ : _____

Explain why you think your answer is correct.

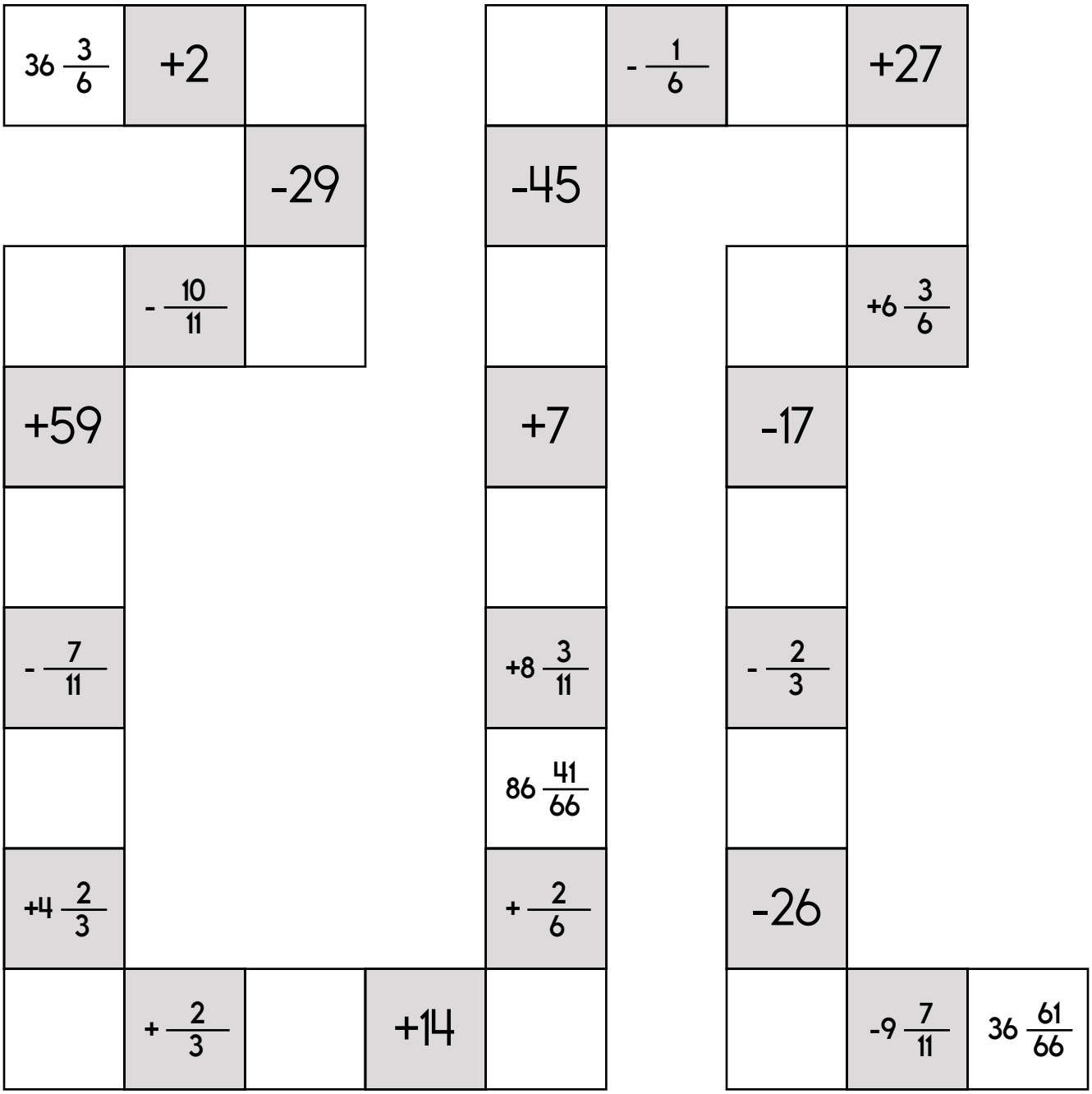
June 12th : Friday :: June 20th : _____

Explain why you think your answer is correct.

eight shoes : 4 :: twelve earrings : _____

Explain why you think your answer is correct.

Name: _____



Sarah is older than Amy. Sarah is younger than Wendy. Who's the oldest?

10 x 10 = _____

10 x 12 =

78,434 - 54,844 = _____

536 - 232 = _____

Name: _____

How many times
do you need to spin?

I needed to spin ____
time(s) to finish the page.

Spin fidget spinner. Quick!

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

6 x (3 + 1) = _____	11 x 2 - 3 = _____	2 x 7 - 3 = _____
1 - 1 + 4 = _____	4 - 3 + 8 = _____	7 + 8 x 10 = _____
7 x 1 x 6 - 1 = _____	12 - 7 + 7 = _____	4 x 6 x 5 = _____
8 - 6 + 12 = _____	(9 + 2) + 2 = _____	10 x 3 - 12 = _____
6 + 4 - 7 = _____	5 x 5 + 9 = _____	2 + 36 ÷ 12 = _____
7 + 4 x 7 = _____	6 x 4 - 4 + 3 = _____	7 + (8 + 3) = _____
(2 + 36 ÷ 6) + 9 = _____	3 + 12 + 4 = _____	3 x 3 + 2 - 4 = _____
(12 - 8) + 12 = _____	2 x 8 + 9 = _____	4 - 2 + 4 = _____
7 x 2 + (120 ÷ 10) = _____	7 + 5 - 10 = _____	5 + 9 x 8 = _____

Name: _____

How many times
do you need to spin?

I needed to spin ____
time(s) to finish the page.

Spin fidget spinner. Quick!

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

(7 x 4) x 6 = _____	12 + 10 x 2 = _____	3 x (7 - 3) = _____
2 x 9 + 7 = _____	8 x 5 + 1 = _____	3 x 10 - 4 = _____
7 - 2 - 4 = _____	1 + 9 - 3 = _____	7 + 3 - 9 + 9 = _____
10 - 9 + 7 = _____	9 + 5 - 8 = _____	2 + 1 x 9 = _____
9 + 42 ÷ 6 x 3 = _____	(1 x 4) + 12 = _____	9 x 5 x 7 = _____
12 + 3 + 12 = _____	9 x 5 x 4 = _____	8 x 3 + 6 = _____
9 + 3 x 3 = _____	6 + 1 x 12 = _____	1 x (1 x 5) = _____
8 - (4 - 2) = _____	(6 - 1 - 3) + 9 = _____	7 x 4 - 5 = _____
9 x 7 x 1 = _____	3 + (7 x 11) = _____	3 - 2 + 6 x 3 = _____

Name: _____

Max wants to have fun on National Splurge Day. He is going to the Fun Park. He wants to ride the Terror Train 16 times! The Terror Train ride lasts 2 minutes and 7 seconds. If he rides it 16 times, how many minutes will he spend on the Terror Train?

Their pet fish knew it wasn't right. He knew the Cat shouldn't do those things. The pet fish just knew there would be trouble. There was fish food all over the floor. They would have to buy more! Fish food costs $0.70. If Conrad gave the clerk $1, how much change would he get?

The fifth grade students are having a breakfast for their parents for Children's Good Manners Month. Megan used a muffin pan to make 3 batches of muffins. Then she made 4 extra muffins. She made 34 muffins in all. How many muffins does the muffin pan hold?

$$\begin{array}{r} 21 \\ 22 \\ +\ 40 \\ \hline \end{array} \qquad \begin{array}{r} 18 \\ 11 \\ +\ 40 \\ \hline \end{array}$$

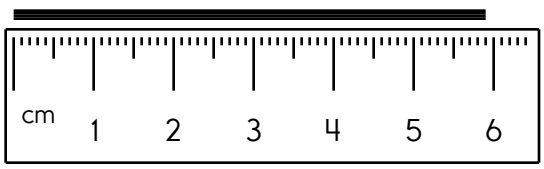
If D + D = 12, then what does D equal?

_____

$$\begin{array}{r} 93 \\ -\ 64 \\ \hline \end{array} \qquad \begin{array}{r} 94 \\ -\ 86 \\ \hline \end{array}$$

Write the length in centimeters.

_____



$$\begin{array}{r} 24 \\ +\ 94 \\ \hline \end{array}$$

How many 6s are in 36?

_____

What place value does the 6 have in 16,847?

_____

How many days are in November?

_____

If ☐ = 6, then ☐ - 1 = _____

$3\overline{)21}$

word root **avi** can mean **bird** **aviary, aviator**

Name: _____

April's Donuts are the best. They cost $0.60 per donut, or you can buy a dozen and get $1.30 off.
Only 5 blocks away, they have Sarah's Donuts, and they are just as good.
The donuts cost $0.70 each at Sarah's Donuts, or you can buy a dozen and get $2.00 off.
You need to buy 13 donuts for a party.
Which store would cost the least?

Who traveled the longest distance?

Hunter walked at an average speed of 4.5 miles per hour for 2 hours and 30 minutes.

Amy rode her bike for 45 minutes at an average speed of 15 miles per hour.

Amanda took her electric scooter to the mall. It took her 21 minutes to get to the mall, and her average speed was 11 miles per hour.

Which shape has the smallest perimeter?

Each side of a rectangle is 21.8 cm.

Each side of a heptagon is 87.8 m.

Each side of an octagon is 8.7 m.

Each side of a decagon is 959.3 cm.

Each side of a pentagon is 22.6 m.

Each side of a hexagon is 85.9 cm.

Holly is 165.1 centimeters tall.
Adam is 5 feet, 4 inches tall.
Who is taller?

Hint: 1 inch = 2.54 centimeters

Name: _____

True, Not True, False, and Not False

True **True**

Not True **False**

False **False**

Not False **True**

With "AND" both need to be true.

True and False **False**

True and True **True**

False and True **False**

False and False **False**

Not True _____

False _____

Not False _____

True _____

True and True _____

False and False _____

False and True _____

True and False _____

Write the missing family fact.

11 x 29 = 319
319 ÷ 29 = 11
319 ÷ 11 = 29

_____

Can 360 be evenly divided by 5? Circle:
360 is NOT evenly divisible by 5
360 is evenly divisible by 5

10 x 5 = _____

Which is the better buy?
Nine bags of candy for $27
or three bags of candy for
$27?

35 ÷ 5 = _____

70 ÷ 10 =

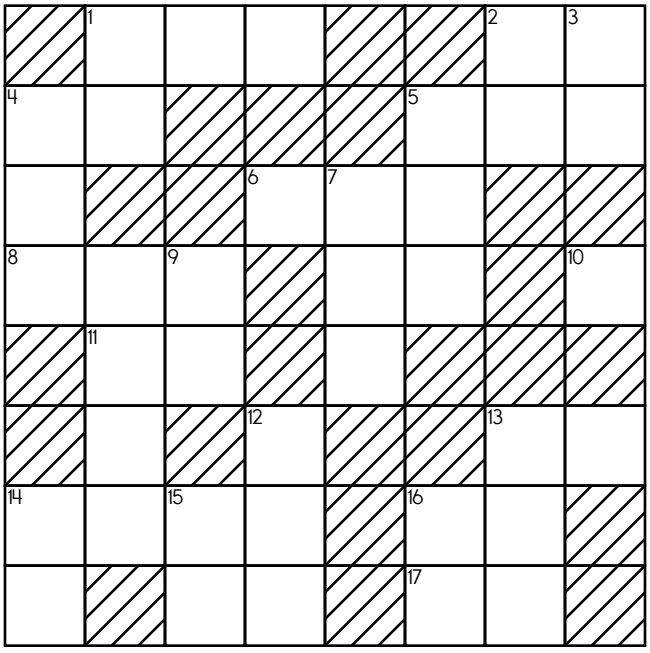
Name: _____

ACROSS

1. 1-Down plus 7-Down
2. Four more than 10-Across
4. One-sixth of 5-Across
5. Six less than 5-Down
6. Eight less than 5-Down
8. 11-Down plus 5-Across
10. Seven less than 3-Down
13. Five times 1-Down
16. One-fourth of 8-Across
17. Four times 4-Across

DOWN

1. One-sixth of 11-Down
3. Five less than 4-Across
4. Eight more than 5-Across
5. **Nickels in six dollars**
7. Six more than 6-Across
9. Eight times 2-Across
11. Eight less than 4-Down
12. 7-Down plus 4-Across
14. Two more than 13-Across
15. Seven times 3-Down
16. Three times 1-Down



Circle the greatest number:

74,920,250,397 324,810

795,661,358 46,183

77 ÷ 11 = _____

For 60,109,910,971, write the digit that is in the ten thousands place.

_____

6,133 + 2,823 = _____

Name: _____

1 is what % of 2?

65 is what % of 100?

Write as a percent.

$\frac{5}{100}$

$$\begin{array}{r} 17.76 \\ -\ 7.5 \\ \hline \end{array}$$

$$\begin{array}{r} 5.83 \\ +2.34 \\ \hline \end{array}$$

$$\begin{array}{r} 18.3 \\ -\ 1.7 \\ \hline \end{array}$$

$\frac{N}{6} = 5$

$\frac{27}{N} = 9$

11y = 132

-21 + 16 =

-9 + -6 =

32 + -46 =

Sketch 2 lines $\overleftrightarrow{DE}$ and $\overleftrightarrow{VW}$ that are perpendicular.

What kind of angle is this?

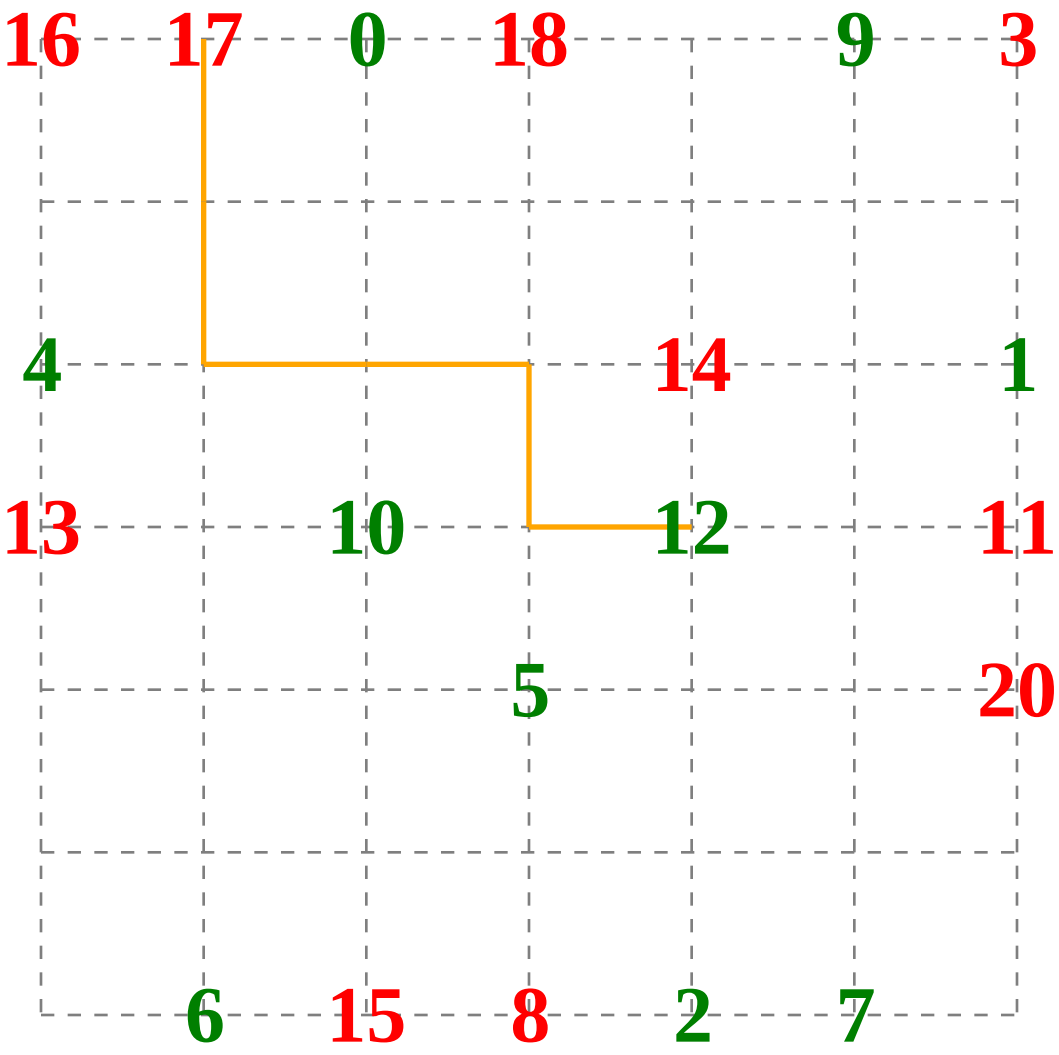
Name _____ Date _____

Greater and Less Than Number Kissing

Start at a green number and draw a line to any red number that is greater than the green number.

Draw a line that connects one number to one other number to kiss. Draw your lines over the trace lines. No lines may cross. Once you draw a line to a number, that number cannot be used again.

One complete line has already been drawn for you.



Name: _____

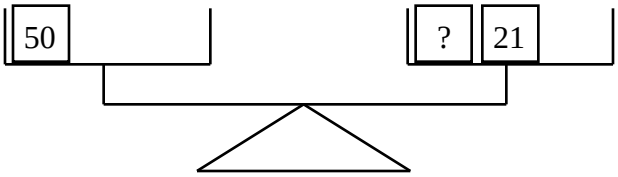
Jack and Erin are playing bingo with their class. Their teacher put 35 numbers into a box and said that the box has 3 more even numbers than odd numbers. What is the ratio of the number of even numbers to the number of odd numbers in the box?

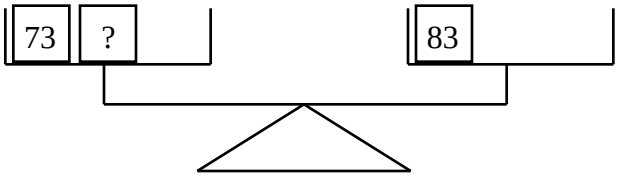
Wendy and Jessica play on the same softball team. Wendy was lucky enough to get her favorite number on her jersey. She likes it because the sum of its two digits is 9. If you take Wendy's jersey number and reverse the digits, you would get Jessica's jersey number. Jessica has the smaller jersey number. It is 63 less than Wendy's. What could their jersey numbers be?

Amy likes to spend money at the mall. Her brother tells her that she likes to WASTE her money. She bought 4 pairs of earrings and a makeup kit. Altogether it came to $38.97. The makeup kit was $13.49. The earrings were all the same price. How much did each pair of earrings cost?

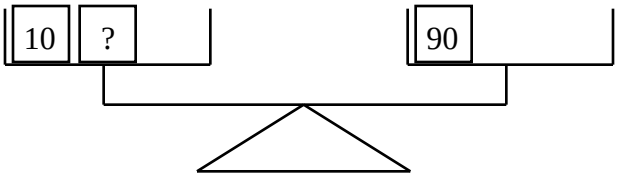
Jenna figured out that 25% of 15% of 160 is equal to 6. "Whew!" she thought. "Just a simple multiplication equation once those percents are changed to decimals."
Make a multiplication equation to show that her answer is correct.

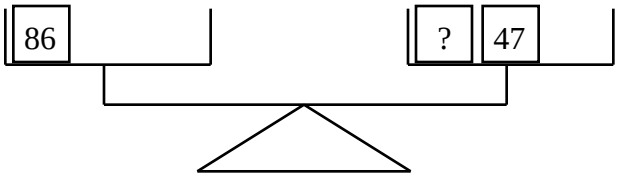
Name: _____



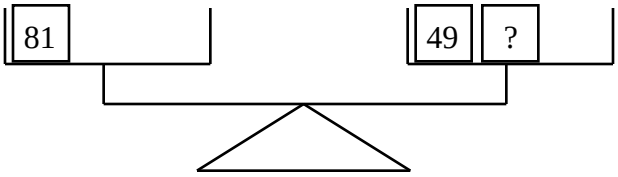


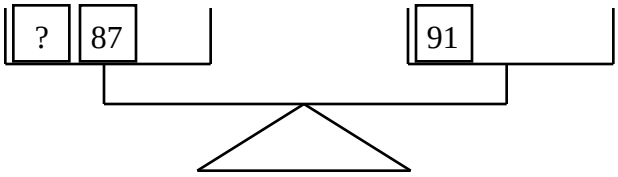
50 = 29 + 21 _____ _____ = _____



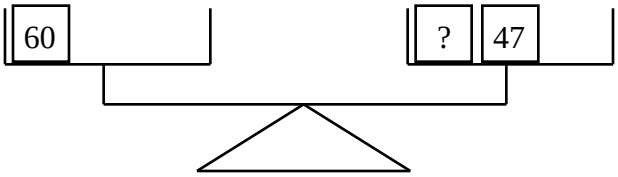


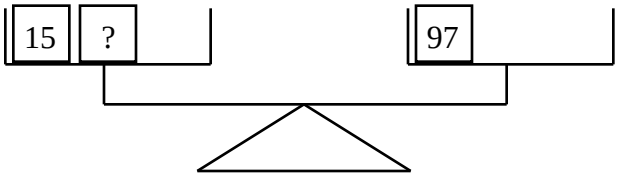
_____ = _____ _____ = _____





_____ _____





_____ _____

Name: _____

Amanda needs to make these two fractions equal. Help her find the missing number!

$$\frac{??}{60} = \frac{48}{120}$$

At the mud factory, Purple's job is to scoop up mud and make it into kilogram blocks of mud. She loves her job! Today there were 716,062,563 milligrams of mud trucked in. Each mud block is precisely 1 kilogram, no less, no more. How many mud blocks can she make today?

What is the greatest common factor of 28 and 26?

What is the least common multiple of 12 and 9?

$n + 25 = 38$

Name: _____

Write as a decimal.

$\frac{5}{10}$

Write as a decimal.
Seventeen and fifty-six hundredths

Write as a decimal.
Two thousandths

Write the reciprocal.
6

Write the reciprocal.

$\frac{2}{3}$

Write the reciprocal.

$\frac{19}{22}$

Reduce $\frac{75}{95}$ to its lowest terms.

$60 - \frac{1}{4} =$

Reduce $\frac{21}{49}$ to its lowest terms.

$$\begin{array}{r} 433 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ \times 13 \\ \hline \end{array}$$

Multiply 90 and 5.

9 - 10 =

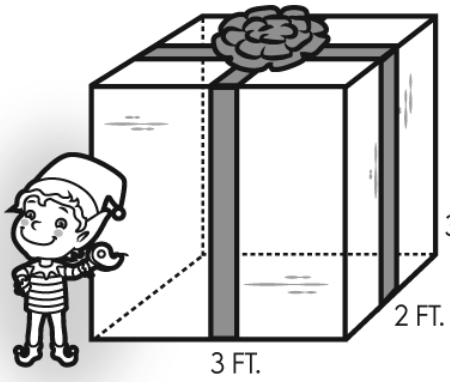
6 - 12 =

13 - 9 = ____

13 + -9 = ____

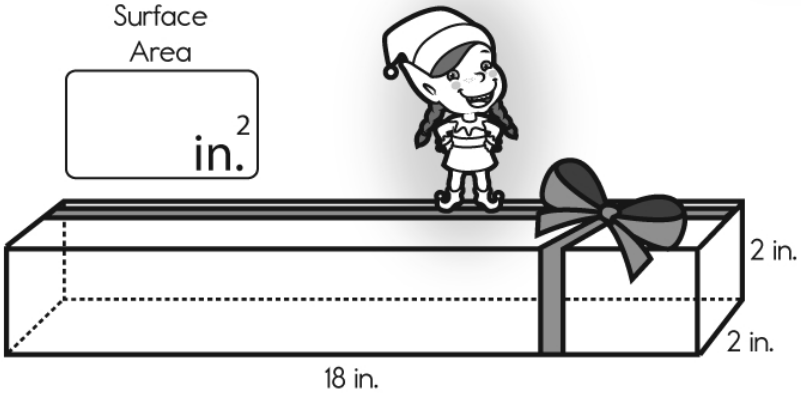
Name: _____

area of front
area of back
area of top
area of bottom
area of side
+ area of side
surface area



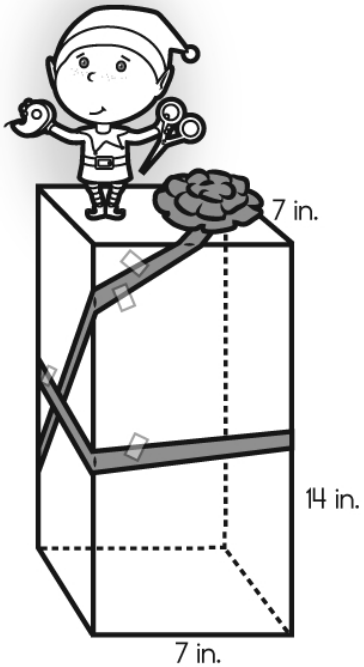
Surface Area
_____ ft.²

Surface Area
_____ in.²



Draw, label, and find the area of a 5 x 5 x 5 inch cube.

_____ in.²



Surface Area
_____ in.²

Name: _____

X	4		10	11		
4	4 x 4	4 x ___	40 4 x 10	4 x 11	16 4 x ___	48 4 x ___
	___ x 4	___ x ___	___ x 10	132 ___ x 11	___ x ___	___ x ___
	___ x 4	___ x ___	110 ___ x 10	___ x 11	___ x ___	132 ___ x ___
	___ x 4	84 ___ x ___	___ x 10	___ x 11	___ x ___	___ x ___
	40 ___ x 4	120 ___ x ___	___ x 10	110 ___ x 11	___ x ___	___ x ___
	28 ___ x 4	___ x ___	___ x 10	___ x 11	___ x ___	___ x ___
	8 ___ x 4	___ x ___	___ x 10	___ x 11	___ x ___	___ x ___
	44 ___ x 4	___ x ___	___ x 10	___ x 11	___ x ___	___ x ___

11 x 4 = _____

Circle the addition property for 47 + 130 = 130 + 47.

associative property

commutative property

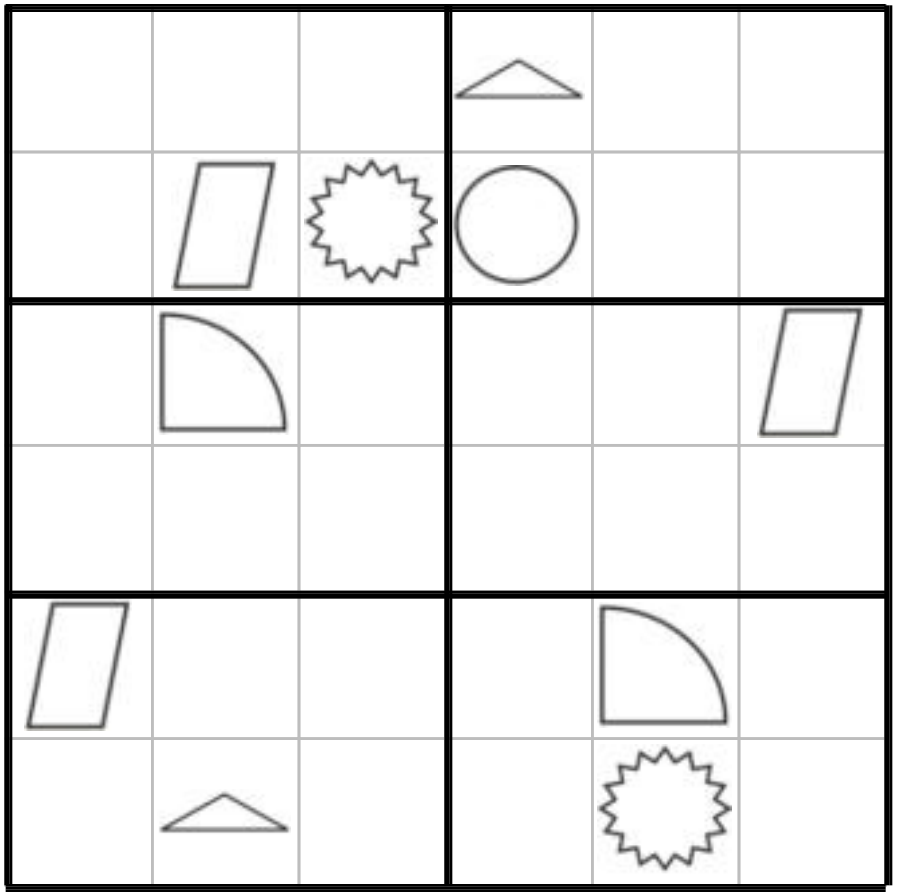
What number is halfway between 3 and 22?

Name: _____

Each row, column, and box must have the numbers 1 through 6. The first box is done.

6	5	1			3
4	3	2			
2		3		5	
1				4	
	2				
					5

Each row, column, and box must have 6 different pictures.



Name: _____

The sum of two integers is zero. If you subtract the smaller integer from the larger integer, the difference is 16. What is the value of the smaller integer?

In 8 years, Wendy will be two-fourths of Ava's age. Right now the sum of the ages of Ava and Wendy is 56 years. How old is Ava now?

How many centimeters in 890.6 meters?

Estimate quickly the difference.
7,730 - 2,690

How much time is it from 7:00 a.m. to 11:40 a.m.?

Name: _____

How many times
do you need to spin?

I needed to spin ____
time(s) to finish the page.

Spin fidget spinner. Quick!

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

6 / -2, 8	3 / , -3	6 / 8,	4 / , 8
-15 / , -7	-3 / -1,	12 / 7,	-5 / , -2
5 / , -4	-2 / , -2	4 / -2,	11 / 3,

Name: _____

Hannah received a $270 first prize in a poetry-writing contest. She is going to use the money to purchase books for her library. If she spends $150 on volumes of poetry, what percent of her prize will be left to purchase other kinds of books? Round your answer to the nearest percent.

A local artist has made a temporary painting on the concrete surface of the school playground. It completely covers a 49 by 65 ft square area of the playground. If 37% of the painting is blue, and 21% is red, how many square feet of the painting are neither blue nor red?

Figure out the greatest common factor of the following numbers:

90 36

27

Eric has a headache. He can't stand long lists. "Can you repeat that again?" he asks. "It's easy. Name a number that is greater than 10, less than 20, is a multiple of 8, and FINALLY is a factor of 48," replies Peter.

Name: _____

Rat snakes produce 8-29 eggs once or twice a year. If 9% of the young survive to maturity, what is the maximum number of surviving offspring a rat snake would be expected to produce in 7 years?

If six out of eight people surveyed prefer brand B over brand A, then how many out of eight prefer brand A? Assume that everyone surveyed liked either brand A or B, but no one chose "both" or "neither."

Kevin has forty-five square stickers of different colors that each measure three inches on a side. He wants to use them to cover the fronts of some notebooks he has. If his notebooks measure nine inches by twelve inches, how many whole notebook fronts can he completely cover with the stickers?

In a population of 768,833 cells, some are undergoing division and some are not. Assume that while some of the cells are dividing, no other cells will begin to divide until the group that is dividing is finished. Let's say the ratio of dividing to not dividing cells is 8 to 5. What will the cell population be after the cells that are dividing have completed the division process?

Smallville had a great football team last year. They outperformed their opponents in almost every category of play. One of their more impressive statistics was that, on average, they outscored their opponents by 4:1 in every game they played. If they scored an average of 36 points per game, what was the average number of points scored by their opponents per game?

Amanda has five skirts and four shirts. How many different combinations of shirts and skirts can she create using these two sets of clothes?

Name: _____

Cross off the number that does NOT belong.

511987, 119875, 198751, 198751, 987511, 875119, 751198, 511987,

119875, 198751, 987511, 875119, 751198, 511987, 119875

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

(117,649) , (16,807) , (2,401) ,

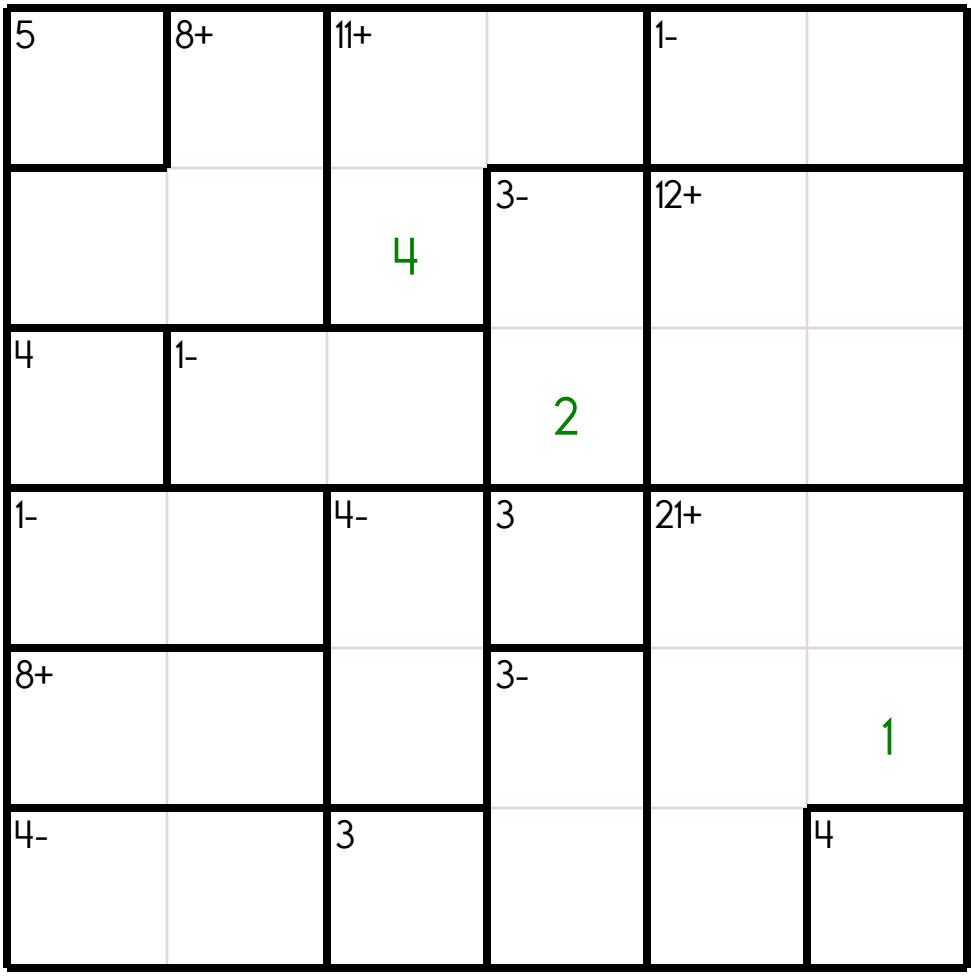
(2,042) , (343) , (49) ,

(7) , (1) , $\frac{1}{7}$, $\frac{1}{49}$

Why does _____ not belong in the pattern?

Name: _____

Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 6.
Every row must contain the numbers 1, 2, 3, 4, 5, and 6.
Every column must contain the numbers 1, 2, 3, 4, 5, and 6.
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.



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

____ + ____ + 4 = 11

4 + ____ + ____ = 8

____ - 2 = 3

____ + ____ + ____ + 1 + ____ = 21

4 - ____ = 3

2 - ____ = 1

2 + ____ + ____ + ____ = 12

3 + ____ = 8

Name: _____

Puzzle:

	8			2,016
	8	8		1,920
	8			864
				882
1,470	1,536	864	1,512	X

Work Area:

	8			2,016
	8	8		1,920
	8			864
				882
1,470	1,536	864	1,512	X

The product for each column and row is given. Blanks use numbers 2 to 9 only.

= _____ = _____ = _____

= _____

Puzzle:

				2,304
				243
				288
				648
216	288	1,944	864	X

Work Area:

				2,304
				243
				288
				648
216	288	1,944	864	X

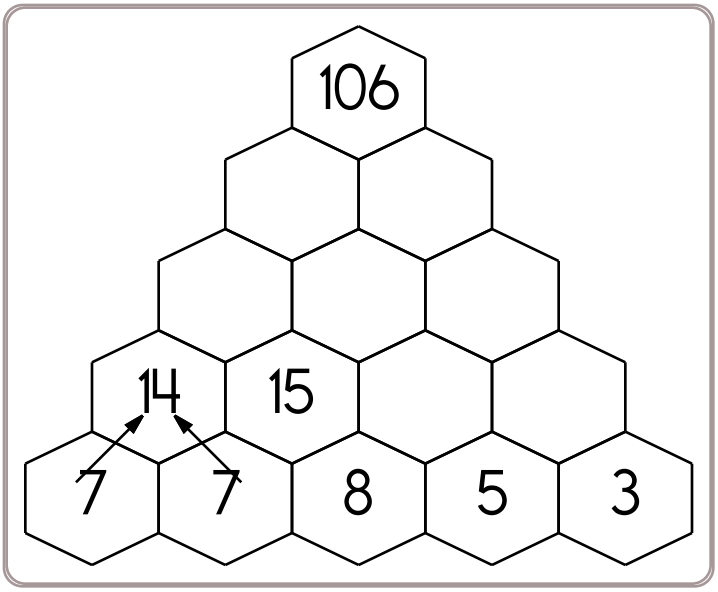
The product for each column and row is given. Blanks use numbers 2 to 9 only.

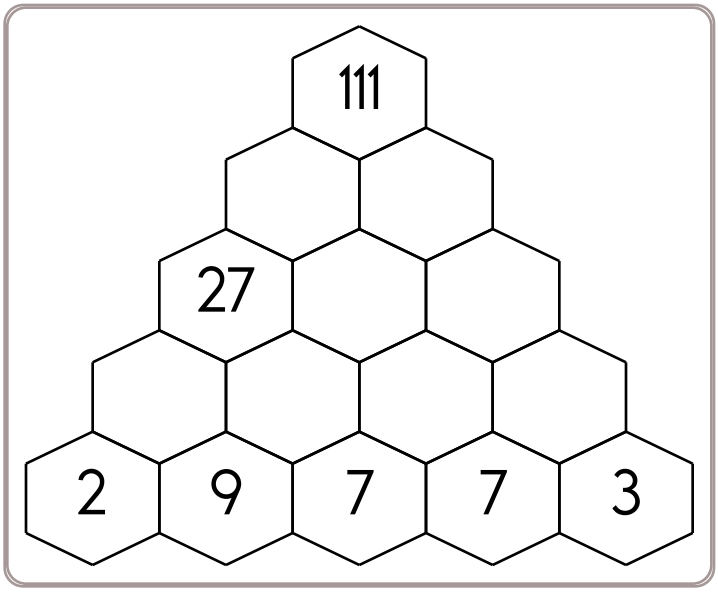
= _____ = _____ = _____

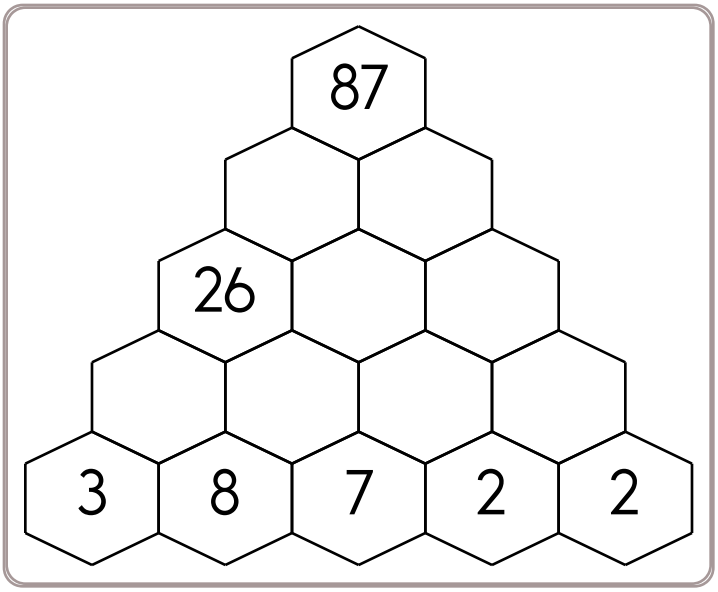
= _____

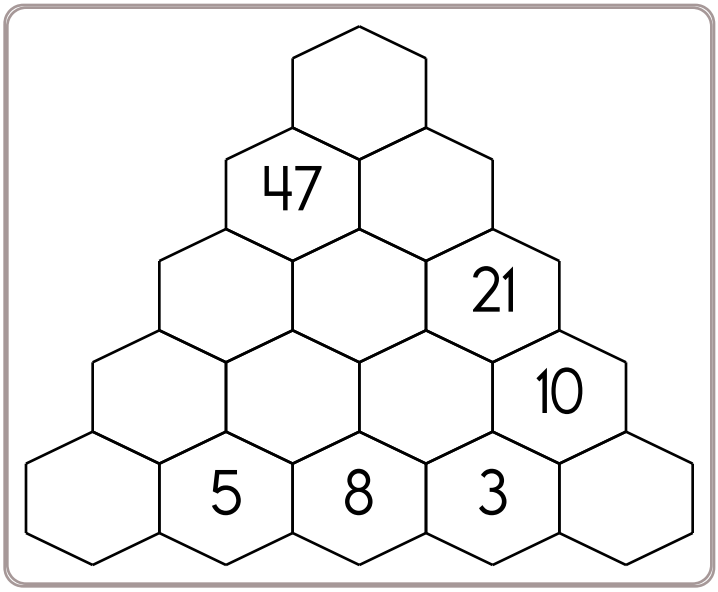
Name: _____

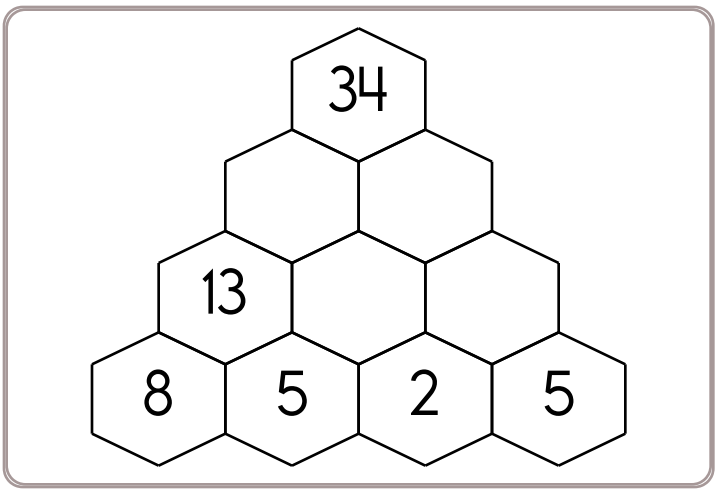
Fill in the blanks by adding the two numbers below each hexagon.

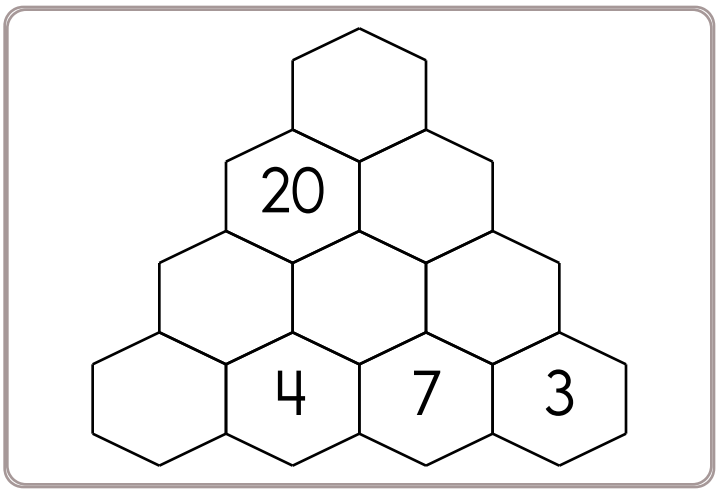












word root **hex** can mean **six** **hexagon, hexagram**

Name: _____

There were 16,144 households in Miles City in 1949. Of these households, a third had radios. In 1954, there were 23,141 households in Miles City. Three-fifths of them had radios. How many more households had radios in 1954 than in 1949?

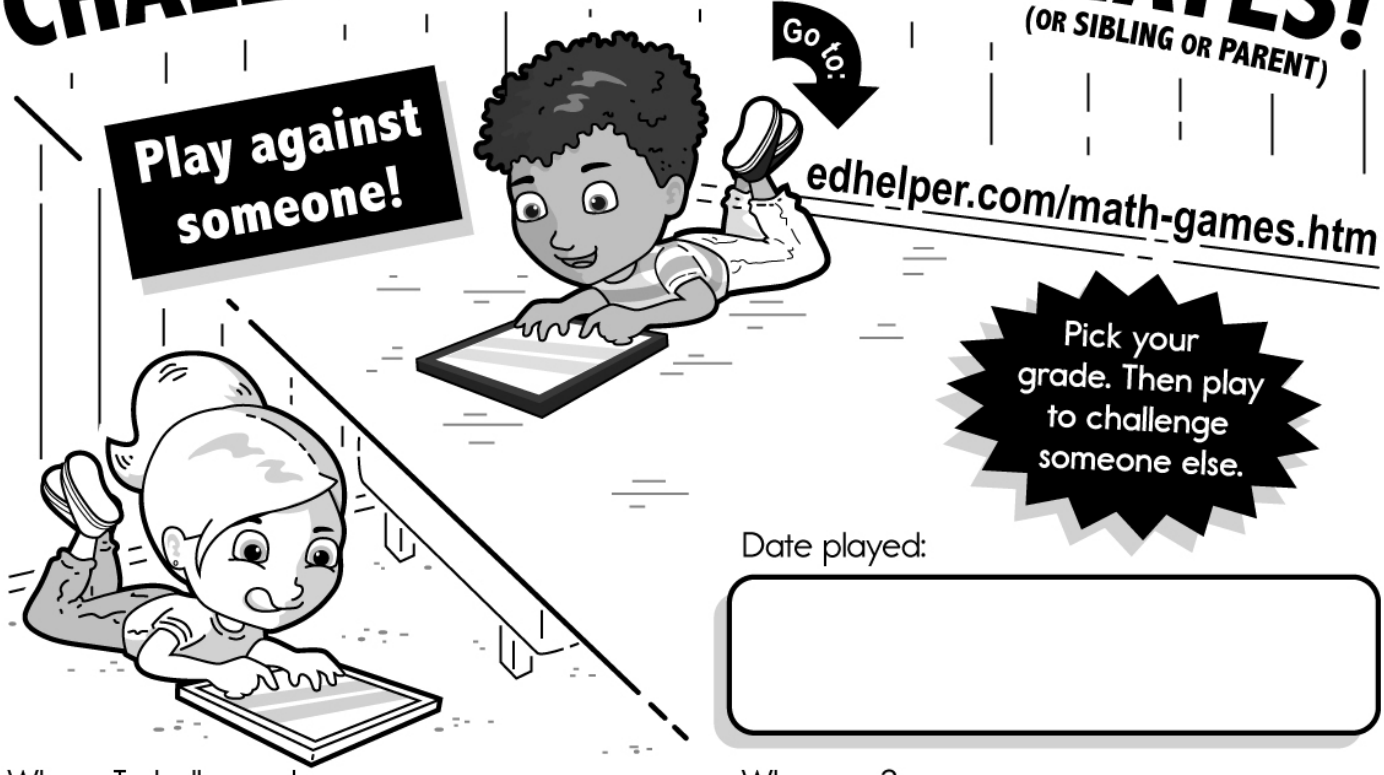
Max found the sum of the first five even numbers and got a result of 20. What mistake must he have made?

Robert and Emma are going to the pet store to buy a pet rabbit. They can buy a black rabbit, a white rabbit, or a white rabbit with black spots. The rabbits have lopped ears or straight ears. Make a tree diagram to show the possible choices.

Name: _____

CHALLENGE YOUR CLASSMATES!

(OR SIBLING OR PARENT)



Date played:

Whom I challenged:

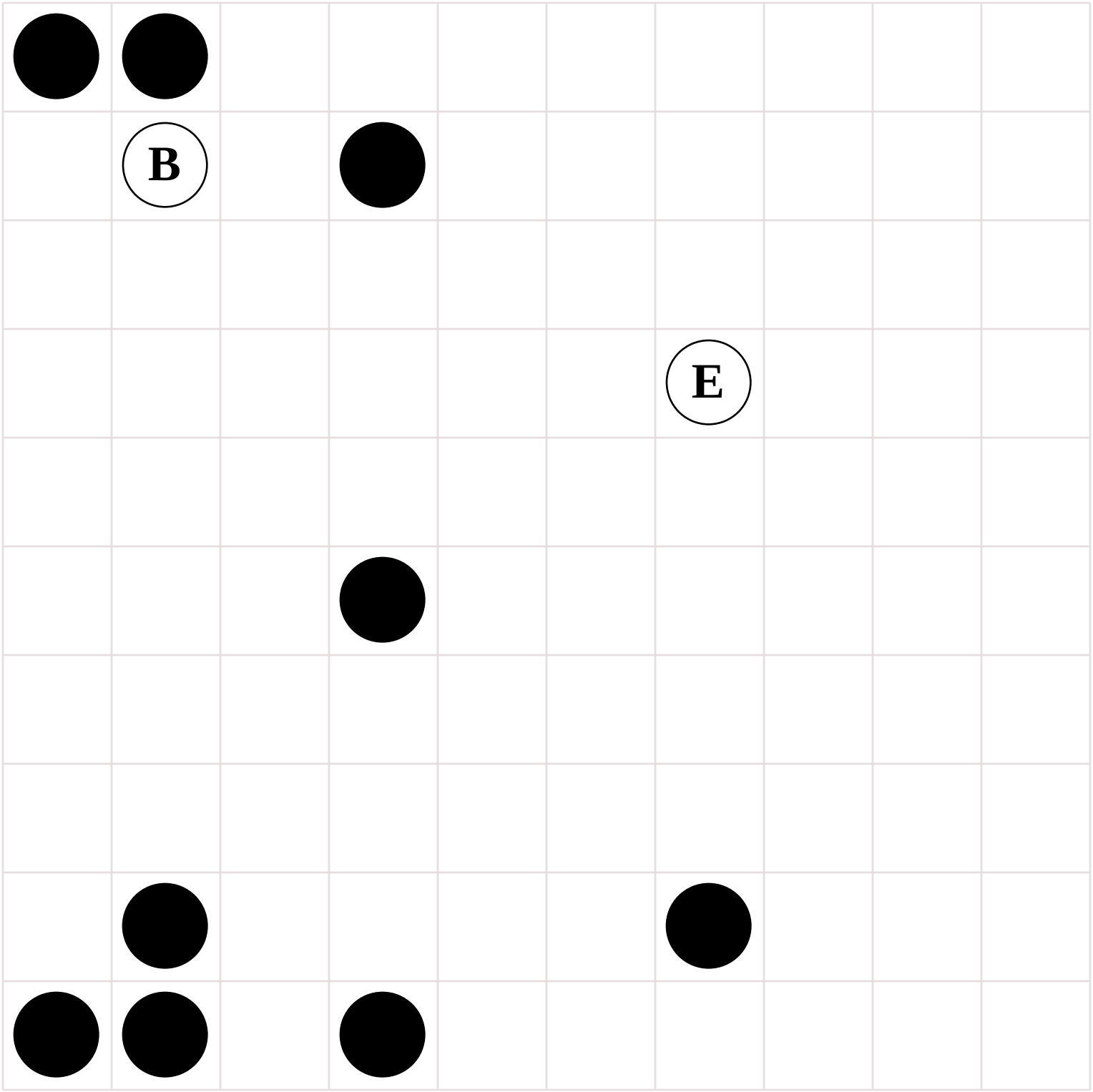
Who won?

Explain what you learned from one math problem you got wrong.

7 + 7 + 9 + 6 =	72 + 54	1,736 - 494

Name _____ Date _____

Start on the **B** circle. Do not pick up your pencil. Draw a line going left, right, up, or down. **Every line must end on a circle. No stopping on an empty box.** Try to collect all the circles and finish your last line on the **E** circle. You can go through a circle more than once.



Didn't get them all? That's ok. This was hard.

I missed _____ circle(s).

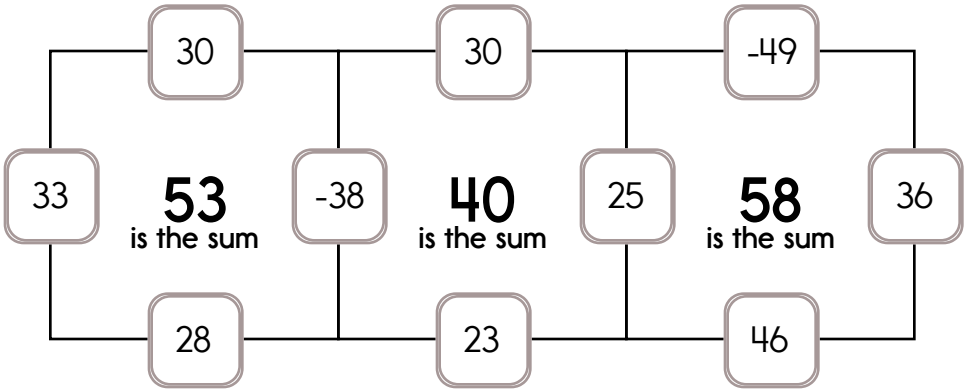
Name: _____

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

Example:
33 + (-38) + 30 + 28 = 53

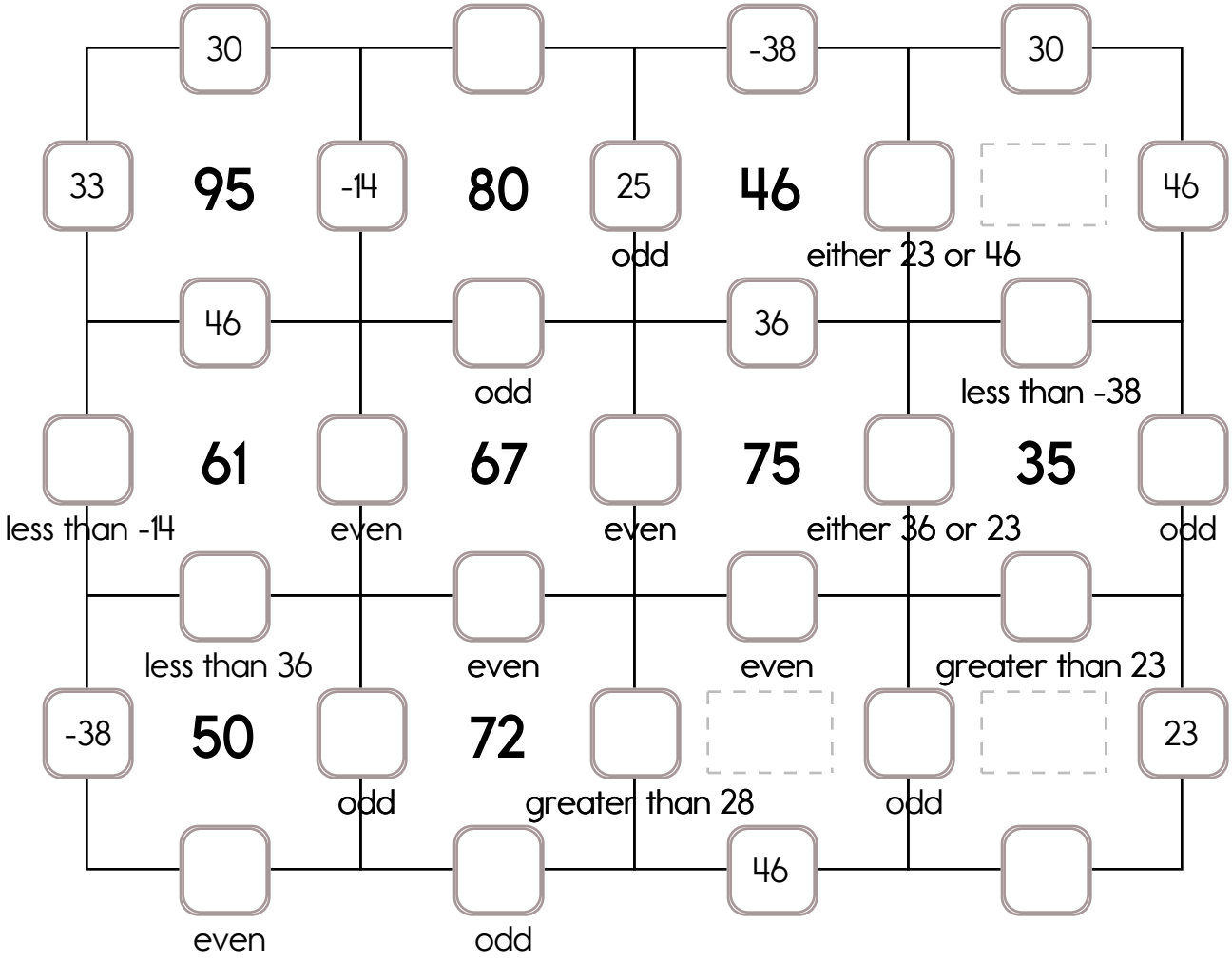
Example:
25 + 36 + (-49) + 46 = 58

Sample:



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

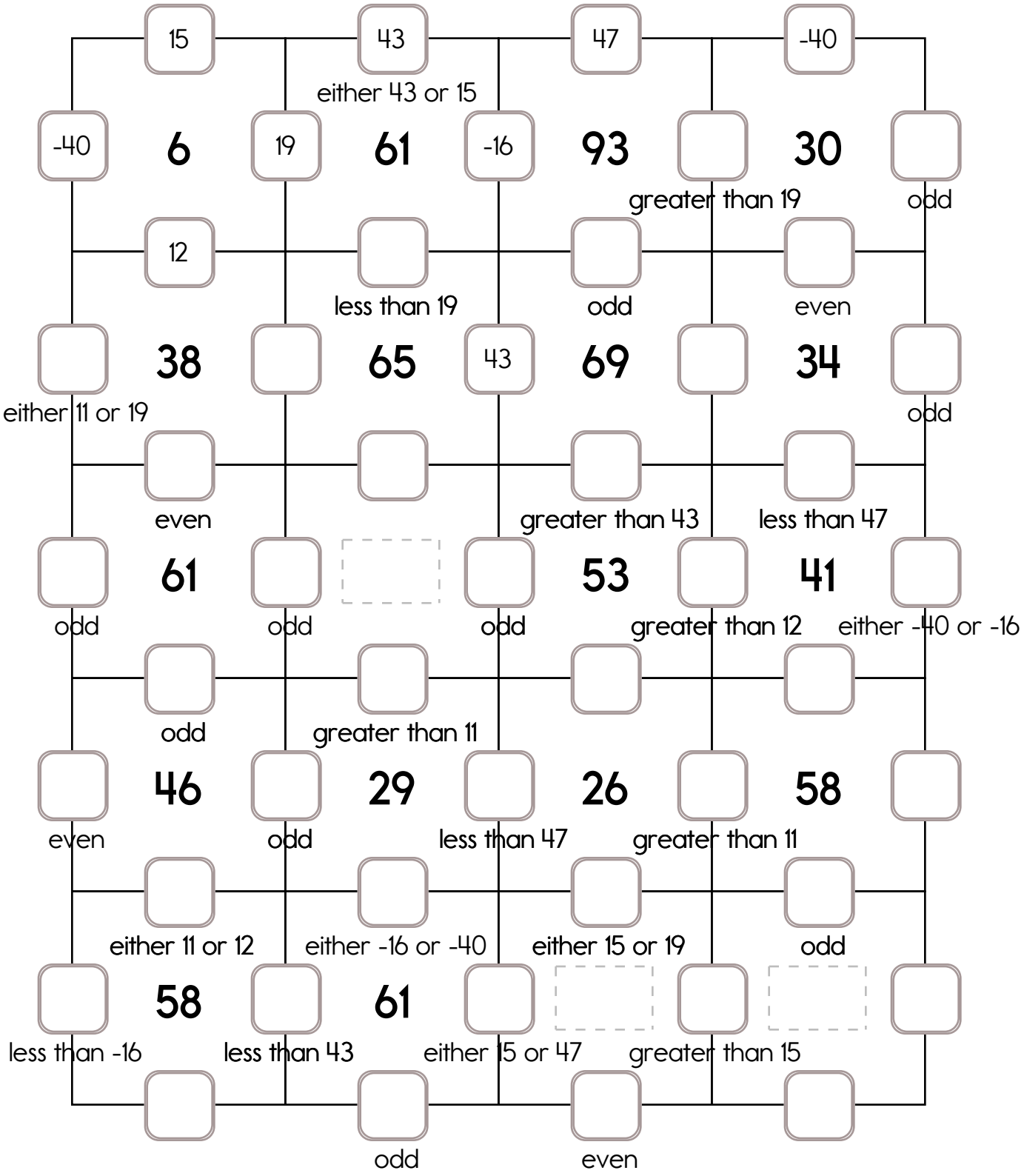
Exactly one of the four numbers has to be one of these numbers: -14, -49, or -38. The other three numbers have to all be DIFFERENT and must be from these: 28, 33, 25, 46, 23, 36, or 30.



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: -16, -40, or -20. The other three numbers have to all be DIFFERENT and must be from these: 43, 12, 19, 47, 11, or 15.



Name: _____

Joshua works three times as fast as Amanda. If it takes them $3\frac{3}{4}$ hours to finish the job together, how long will it take Amanda to finish the job alone?

Stephanie has 4 liters of 60% acid. How much water should she add to make a solution that is 20% acid?

The ones digit of a two-digit number is two times the tens digit. The reverse of the two-digit number would be nine more than the number. What is the number?

Devin has a total of forty-nine pennies and nickels. The pennies come to $1.31 less than the pennies. How much money does he have?

A number o is three times the value of number n. A number u is four times the value of number n. The sum of o, u, and n is 56. What is the value of o?

David is twenty-eight years younger than Kayla. David is four times as old as Julia was two years ago. Julia is thirty-one years younger than David. How old is Julia?

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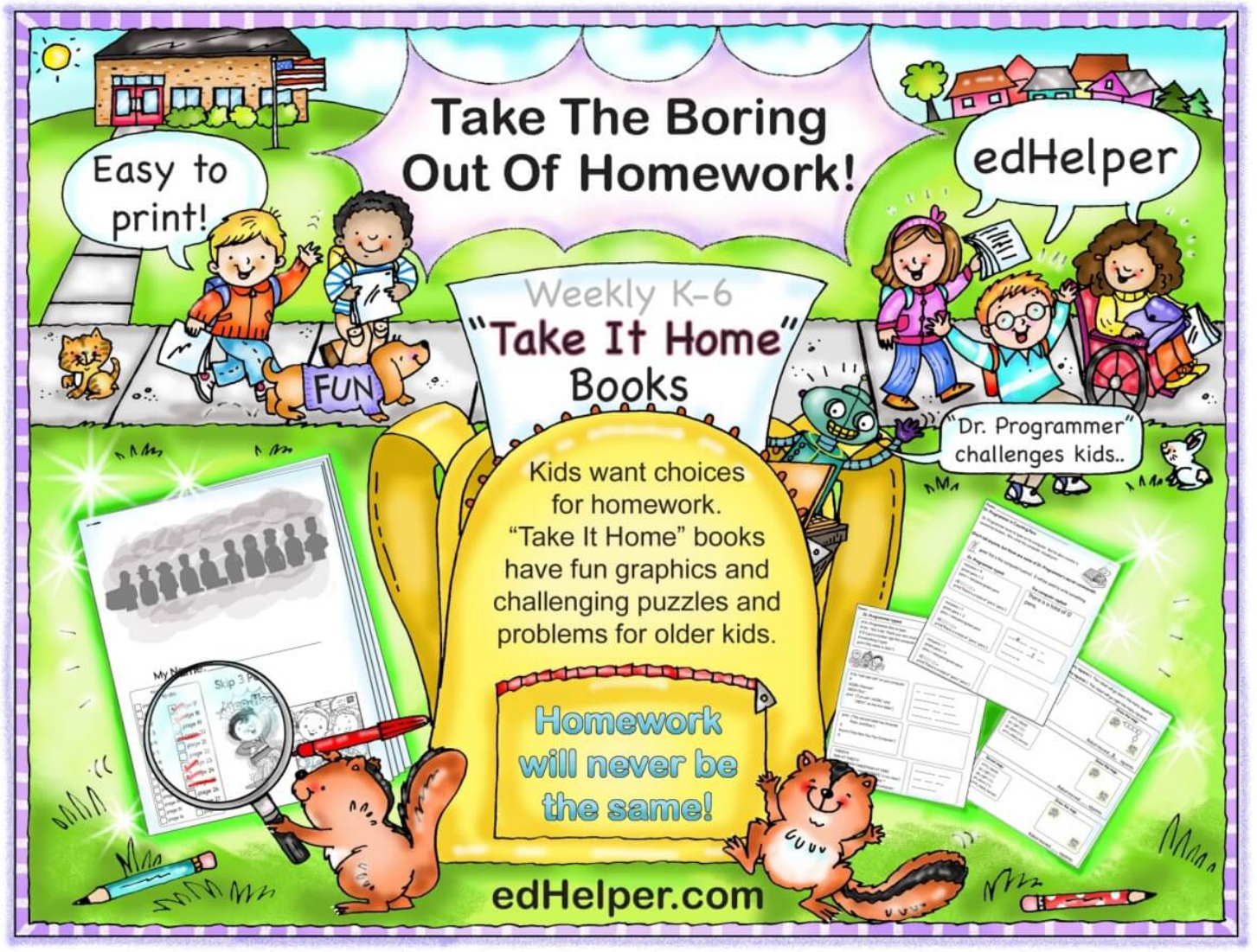
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