Name: _____

Peter has not been too successful when running the quarterback sneak play for the Smallville football team this year. On eight attempts, he has achieved the following results (in yards): 0, -3, 1, 2, -5, -1, -4, and -3. What is his average yardage on the quarterback sneak? Round your answer to the nearest tenth.

If you have three books, how many different ways are there to stack these three books on a table?

Mr. Bloop live-trapped mice near his barn for several nights in a row. They were eating the chicken feed stored there. On 4 consecutive nights, he trapped 14, 9, 7, and 4 mice. What was the average number of mice caught per night? Round your answer to the nearest whole number.

A local artist has made a temporary painting on the concrete surface of the school playground. It completely covers a 55 by 69 ft square area of the playground. If 24% of the painting is blue, and 20% is red, how many square feet of the painting are neither blue nor red?

A sample of clay is found in Mongolia that contains aluminum, silicon, hydrogen, magnesium, iron, and oxygen. The amount of iron is equal to the amount of aluminum. If the clay is 20% silicon, 13% hydrogen, 8% magnesium, and 22% oxygen, what is the percent iron?

Mr. Bloop has a cylindrical water tank on his farm. It is ten feet long and 1 foot 4 inches in diameter. Water flows out a valve in the bottom of the tank at a rate of 2.3 cubic feet per minute. At that rate, how long will it take to empty the tank when the tank is full?

Name: _____

Jenna got a summer job working on an app where people post pictures of their pets. This week they had 100,000 pictures posted. Of those pictures, 34% were dogs. How many pictures of dogs did they get this week?

Rose and Jenna have a secret way of sending numbers to each other. Rose drew a y-axis on the left of the paper and an x-axis on the bottom. Rose plotted these points and wrote L (for the left number). Jenna then found the secret coordinate. Draw a small grid to see if you can figure out the secret coordinate.

The points are (12, 5), (13, 4), (11, 7), and (6, 13).

Name: _____

Three consecutive numbers have a sum of 291. What are the numbers?

I am a whole number. One of my factors is 9. One of my digits is 6. I am less than 40.

What number am I?

$$\begin{array}{r} 728 \\ -\ 417 \\ \hline \end{array}$$

Find 34% of 91.

$$\begin{array}{r} 8.3 \\ +4.74 \\ \hline \end{array}$$

Name: _____

The high school is putting on a play entitled "Polar Bears and Penguins." An adult ticket to the play costs $6. A student ticket is $3. Justin paid $90 for tickets to the play. He bought nine adult tickets. How many student tickets did he buy?

Many people have heard of the Great Plague of London in 1665 when a combination of Bubonic Plague and Pneumonic Plague killed 70,000 people out of a population of 460,000. How many people in London were not killed by the plagues?

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 900 mph. How far will it go in 30 minutes? Round your answer to the nearest mile.

Pam rode her bike for 45 minutes. She went 5.55 miles. What is her speed in miles per hour? Round your answer to the nearest tenth of a mile per hour.

word root **rat** can mean **think** **rational, ratify**

Name: _____

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

68% of 25	86% of 50	49% of 200	78% of 200
43% of 100	12% of 25	56% of 100	100% of 56
47% of 200	10% of 170	76% of 175	70% of 190
15% of 20	94% of 100	80% of 195	98% of 100

27 + n = 40

What is the value of n?

How much time is it from 8:00 a.m. to 11:25 a.m.?

Q, F, P, E, _____, D, N, C, M, B

How many minutes is it from 8:00 a.m. to 11:15 a.m.?

It was 6 degrees below zero in the morning. By afternoon the temperature rose 20 degrees. How warm was it?

117, 130, 143, 156, 169, 182, _____, 208, 221

A toy car can go 5 mph. How long would it take to go 7.5 miles?

Pick the family fact that is missing.

126 ÷ 18 = 7

18 x 7 = 126

7 x 18 = 126

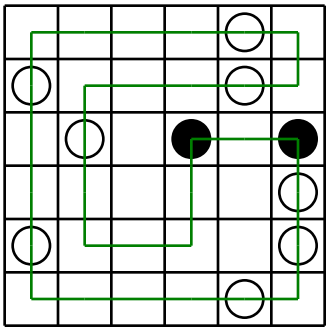
$7 \div \frac{1}{5}$

5,144 - 4,656 = _____

1 kg = 1,000 g

7 kg = _____ g

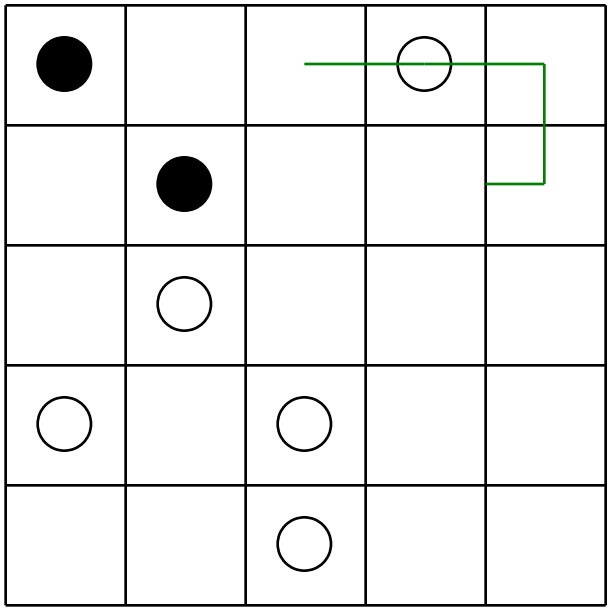
Name: _____



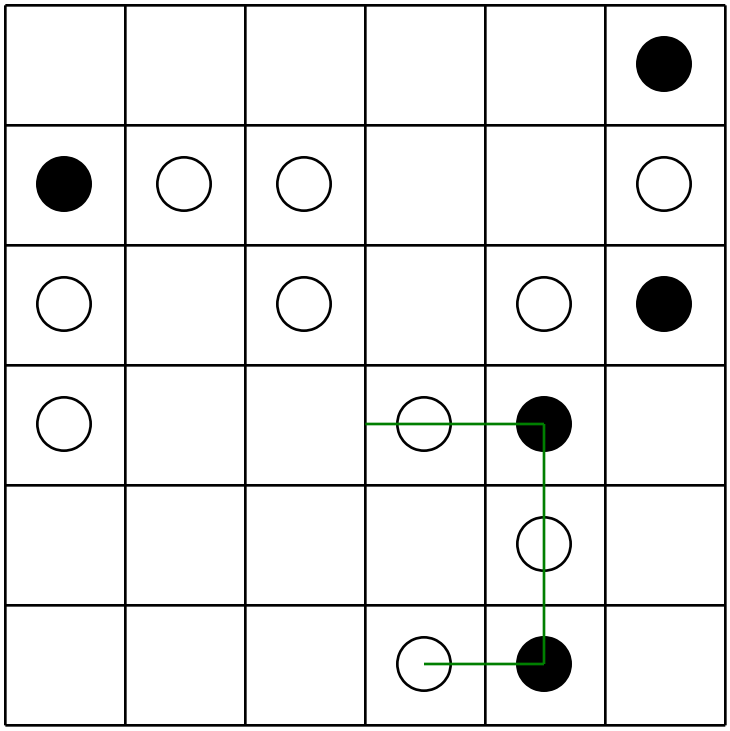
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



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

40 ÷ 8 = _____

11 x 6 =

50 ÷ 10 =

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

$$\begin{array}{r} 578 \\ -\ 474 \\ \hline \end{array}$$

Name: _____

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

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

ENVELOP • COURSE • FORLORN
BLIZZARD • PLEDGE • DEAF
HOLLOW • WHIP • YEAR • MANAGE
GRIM • TERRIBLE • SUFFOCATE

David took three numbers greater than 1 and multiplied them. One number was four and the other number was fourteen. Of course, he forgot the last number, but he remembered the product was 131. Is this possible?

What is the largest possible product of two three-digit numbers? Show the two numbers.

$$\begin{array}{r} 28 \\ +\ 36 \\ \hline \end{array}$$

Circle the smallest number:

80,134 952,665,173
97,013,284,657 9,240

11 x 11 = _____

Can 264 be evenly divided by 6? Circle:
264 is evenly divisible by 6
264 is NOT evenly divisible by 6

How many inches are in 2 feet?

_____ inches

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

eight hundred eighty-six thousand, three hundred eighteen

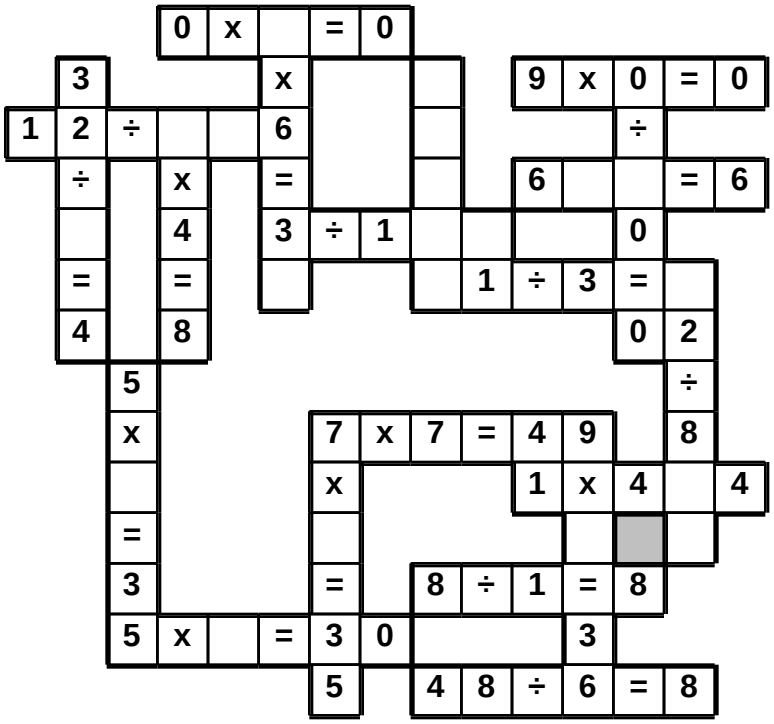
_____

word root **rupt** can mean **break** **erupt, interrupt**

Name: _____

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

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



$$\begin{array}{r} 222 \\ +\ 433 \\ \hline \end{array}$$

10 x 9 =

What number is halfway between 8 and 16?

10 x 2 = _____

Write the numbers 30 to 60 on a sheet of paper.
How many of these numbers are divisible by 6?

_____

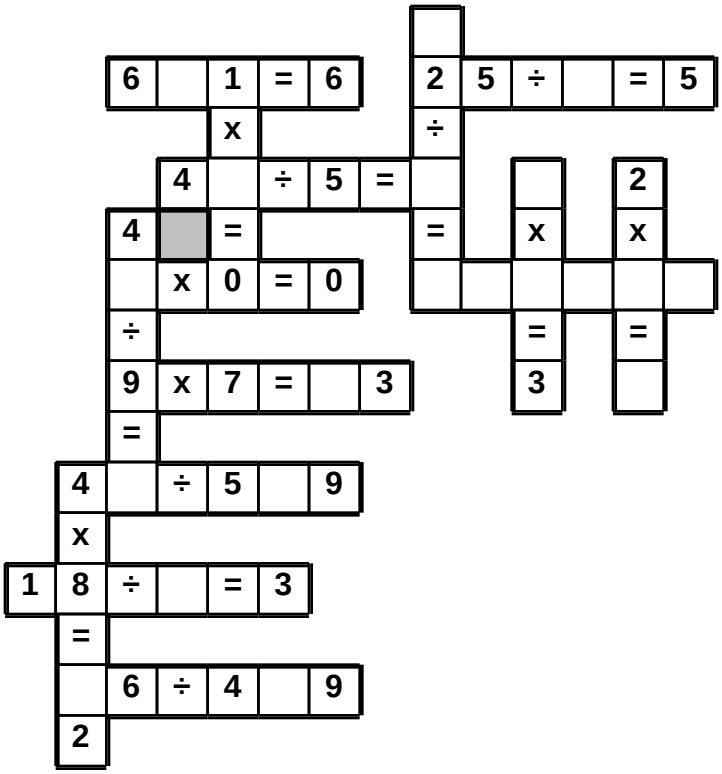
26 km = _____ m

10 x 3 = _____

Name: _____

3 • ÷ • 5 • 0 • 8 • 1 • 5 • 4 • x • 3 • = • 1 • 2 • 6 • 2 • 5 = • 6 • 3 • =

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



What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word	Sum
1 2 4 8 14 F R O S T	7
1 2 4 6 10 16 G R	
1 2 4 6 8 14 20 T	

Make a Word	Sum
1 2 4 8 12 S T E	
1 2 4 6 8 12 O	
1 2 4 6 10 14 E V	

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

Name: _____

This week, from Sunday until Wednesday, the school drama team sold adult and student tickets to their play. The person in charge of selling the tickets kept a record of the number of adult and student tickets sold on each day. However, she forgot which day the tickets were actually sold. She knows how many adult tickets were sold (seven, twenty-one, twenty-six, and ten tickets) and how many student tickets were sold (fifty-four, twenty-four, twenty-seven, and thirty-nine).

Figure out how many student and adult tickets were sold on each day.

1. An odd number of adult tickets and an odd number of student tickets were sold on Wednesday.
2. A prime number of adult seats was sold on Sunday.
3. The greatest common factor of the number of student seats sold on Monday and Tuesday is twenty-seven.
4. The least common multiple of the number of adult seats sold on Monday and Wednesday is two hundred ten.
5. A composite number of adult seats was sold on Wednesday.

On Sunday a total of _____ adult tickets and _____ student tickets were sold.

On Monday a total of _____ adult tickets and _____ student tickets were sold.

On Tuesday a total of _____ adult tickets and _____ student tickets were sold.

On Wednesday a total of _____ adult tickets and _____ student tickets were sold.

6 x 11 = _____

4 x 12 =

For 93,225,799,059,504, write the digit that is in the ten thousands place.

_____

30 ÷ 6 = _____

Name: _____

$$\begin{array}{r} 856 \\ 7{,}309 \\ +\ \ 286 \\ \hline \end{array}$$

Reduce $\frac{2}{38}$ to its lowest terms.

Find 40% of 300.

Write each as a decimal.

$15\frac{17}{100}$ =

$17\frac{59}{100}$ =

$13\frac{9}{10}$ =

$1\frac{4}{10}$ =

$19\frac{32}{100}$ =

$7\frac{61}{100}$ =

15 + 29 + 73 =

$$\begin{array}{r} 7\ \frac{6}{8} \\ +\ 4\ \frac{7}{8} \\ \hline \end{array}$$

Change $\frac{1}{2}$ to a decimal.

Write each as a decimal.

$16\frac{3}{10}$ =

$19\frac{79}{100}$ =

$19\frac{87}{100}$ =

$10\frac{11}{100}$ =

$13\frac{5}{10}$ =

$19\frac{42}{100}$ =

Find 50% of 144.

Name: _____

Can you guess the word?

No duplicate letters can be used.

J	U	D	G	E

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

S	P	E	N	D

The letter P is in the word, but P is not in that spot.

A B C D E F G H I J K L

A list of letters will be given that have not been used. Good luck!

Hint: There are no duplicate letters in the answer.

E	V	I	C	T
Q	U	I	C	K

A B D F G H J L M N O P R S W X Y Z

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

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

Hint: There are no duplicate letters in the answer.

C	H	O	I	R
V	A	L	O	R

B D E F G J K M N P Q S T U W X Y Z

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

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

Hint: There are no duplicate letters in the answer.

B	O	A	R	D
F	R	U	I	T

C E G H J K L M N P Q S V W X Y Z

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

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

Name: _____

0.18 +0.81	0.92 -0.14	0.92 +0.7	0.56 -0.07	0.46 +0.84	0.08 -0.4

38.99 +29.5	20.17 +11.82	13.97 - 9.35	14.4 + 5.34	12.08 - 2.56	28.57 -25.61

12.91 + 8.92	30.9 +34.83	1.86 -1.55	34.85 -27.72	11.01 - 1.55	18.58 +16.5

5.09 + 13.23 = _____

22.88 + 17.37 = _____

22.53 - 16.96 = _____

15.82 - 15.3 = _____

21.73 - 14.75 = _____

4.94 - 4.54 = _____

4.63 + 4.1 = _____

7.04 - 2.8 = _____

25.73 + 32.03 = _____

16.42 + 14.37 = _____

5.9
+199.75

Find the sum of 776, 199, and 3566.

$\frac{1}{10}$

$\frac{8}{10}$

$+ \frac{2}{10}$

_____

Name: _____

Amy is always running out of batteries, so she's going to stock up. At the store, the best deal she could find was a pack of 18 batteries for $9. She has $60. How many packs can she buy? She cannot break a pack into parts or the owner will not be happy!

Amanda and two of her friends do yard work on the weekends. This weekend, they made $73.69 together. If they want to try to split the money evenly using only dollar bills and quarters, how much will each get? Is there any remainder?

Three multiplied by ten raised to what power equals three hundred million?

For today's exit ticket from class, the teacher wrote: Find 70% of 5.

Pam thinks it is 700 x 5.
Megan thinks it is 0.7 x 5.

Who is correct and what is the answer?

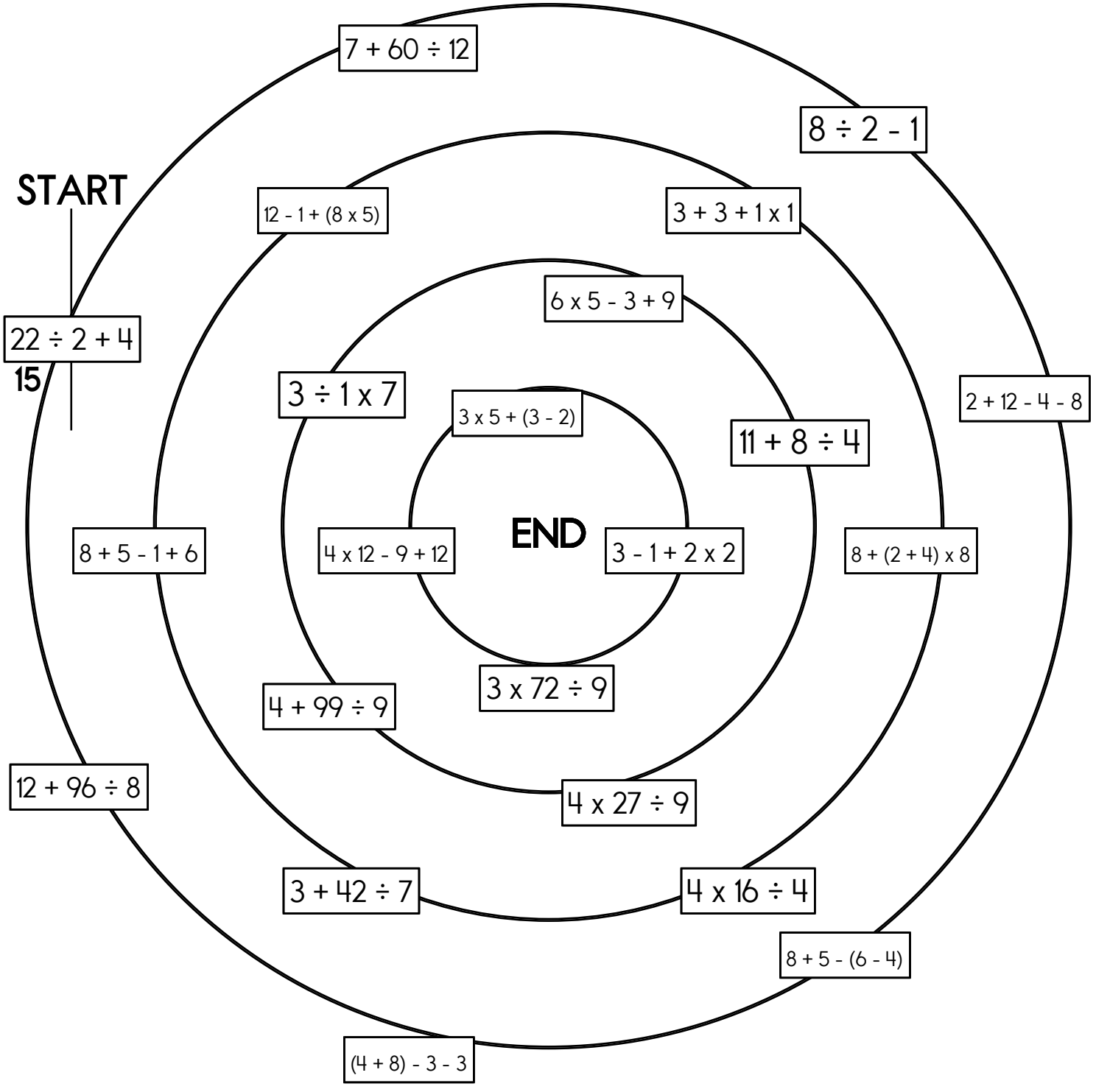
Name: _____

Draw a line from START to END.

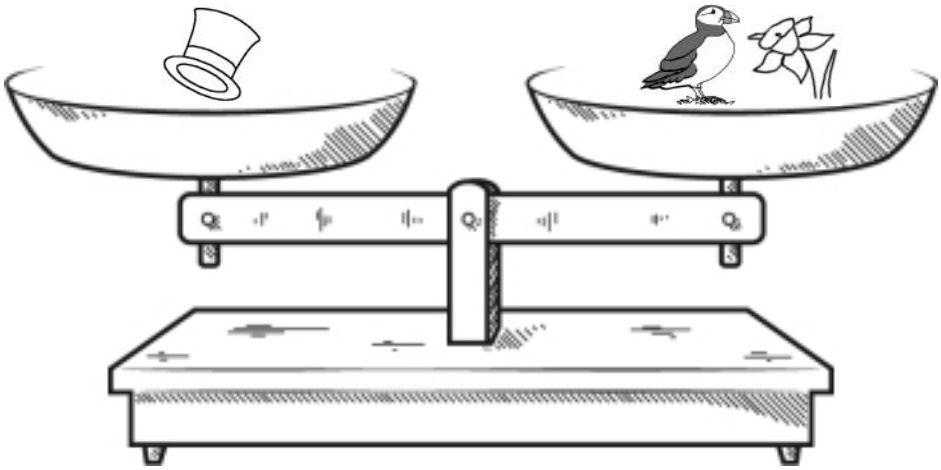
56 ~~15~~ 24

13

Cross out the number you use above and then write it below.



Name: _____



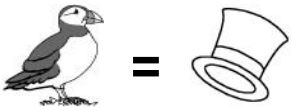
It may help to give values to pictures.

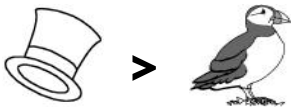
 = 2

 = 15

 = ____

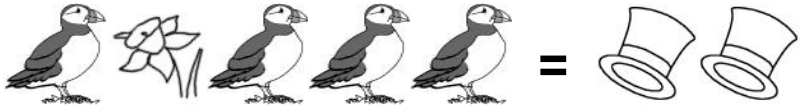
You should only mark TRUE if you are absolutely sure it is correct!


True ☐ False ☐


True ☐ False ☐


True ☐ False ☐


True ☐ False ☐


True ☐ False ☐


True ☐ False ☐

Did you find that two are true? If not, look again!

word root **polis** can mean **city or civic** **police, political**

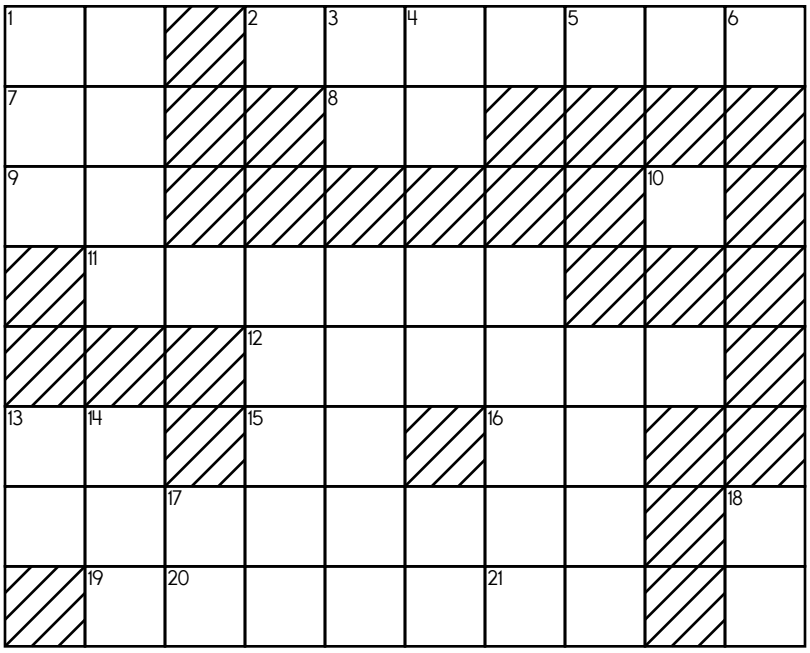
Name: _____

ACROSS

1. First prime number after 16-Across
2. Its digits total 23
3. **three hundred sixty thousand, four hundred thirteen**
7. Average of 8-Across and 4-Down
8. Two less than 13-Down
9. What is the lowest common multiple of 21-Down and 18-Down?
11. the tens in 9-Across + the ones in 5-Down + the hundred thousands in 20-Across
12. Three more than 3-Across
15. Two times 18-Down
16. Sum of digits of 3-Across
17. the tens in 4-Down + the ten thousands in 3-Across + the ones in 1-Across + the hundred thousands in 12-Across
20. the hundred thousands in 3-Across + the ones in 16-Across + the tens in 18-Down

DOWN

2. How many factors does 50 have?
4. What is the lowest common multiple of 5-Down and 16-Across?
5. How many factors does 58 have?
6. How many factors does 4 have?
10. What is the greatest common factor of 21 and 35?
13. 18-Down plus 4-Down
14. What is the lowest common multiple of 2-Down and 1-Across?
18. 22
19. What is the greatest common factor of 5-Down and 4-Down?
21. What is the greatest common factor of 62 and 66?



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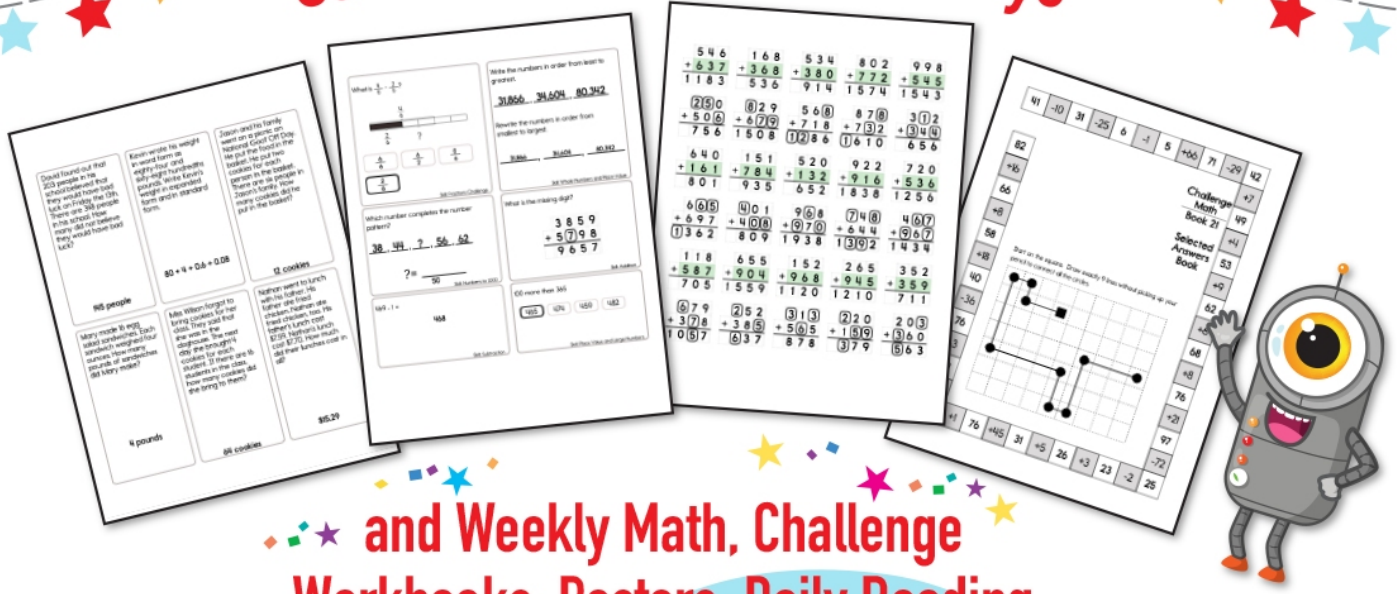

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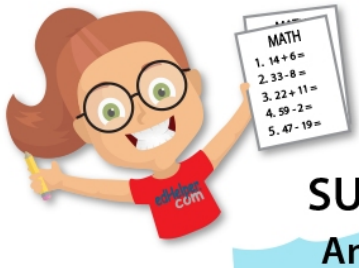

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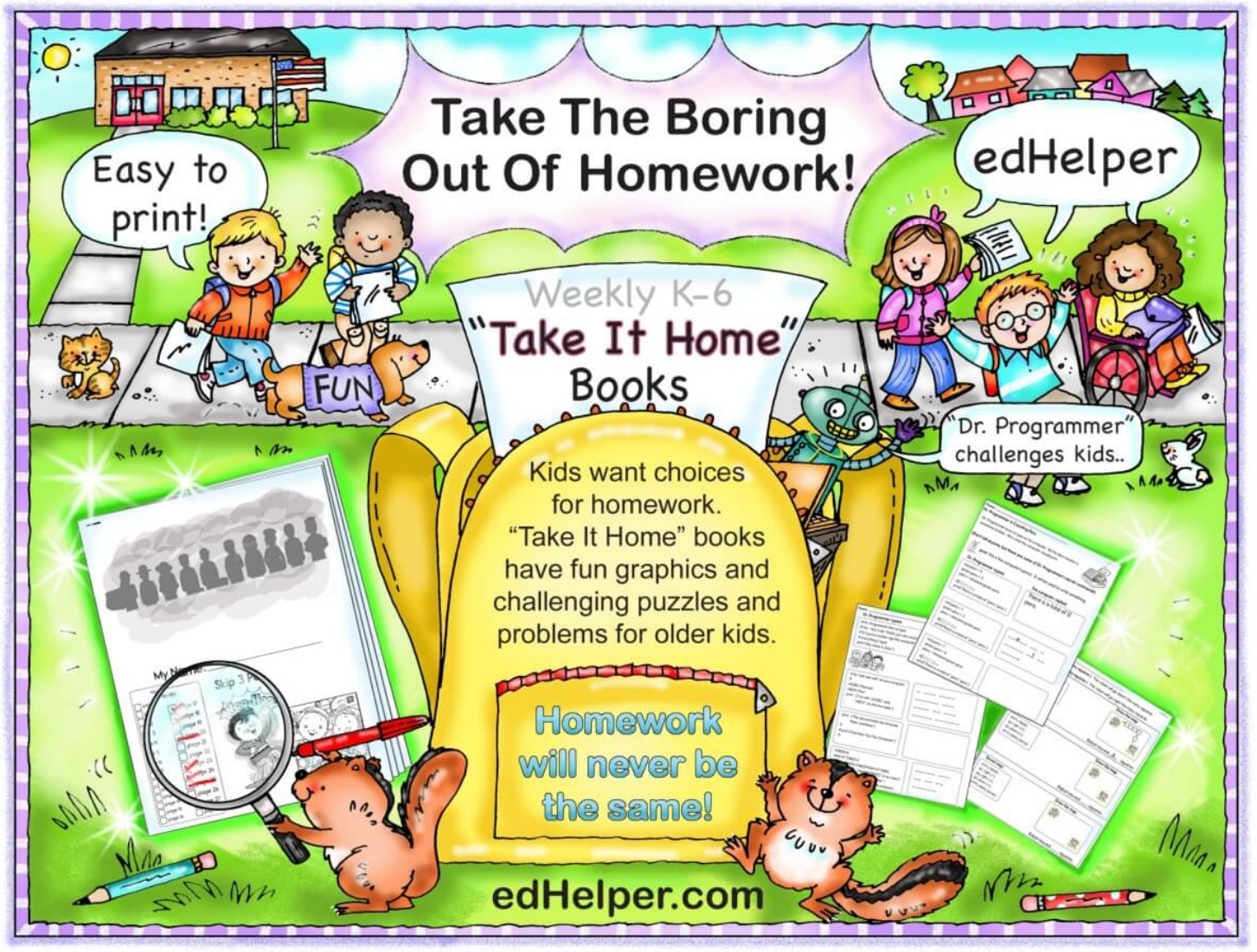
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