Name: _____

Change $\frac{8}{20}$ to a decimal.	Change 0.85 to a percent.	Find 75% of 360.

Change to percents.

$\frac{57}{100}$ =

$\frac{87}{100}$ =

$\frac{60}{100}$ =

$\frac{6}{10}$ =

$\frac{23}{100}$ =

$\frac{76}{100}$ =

Change $\frac{23}{100}$ to a percent.

14 is what percent of 56?

Change 5% to a decimal.

Find 56% of 316.

Change to percents.

0.96 = _____

0.44 = _____

0.81 = _____

0.01 = _____

0.90 = _____

Name: _____

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

Example:

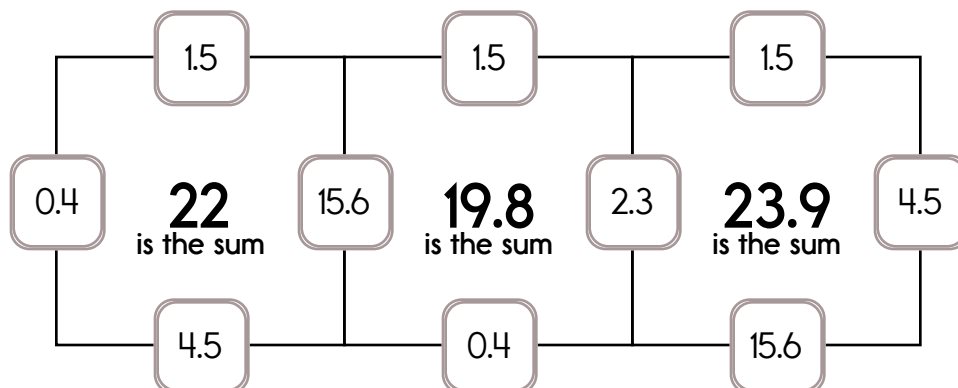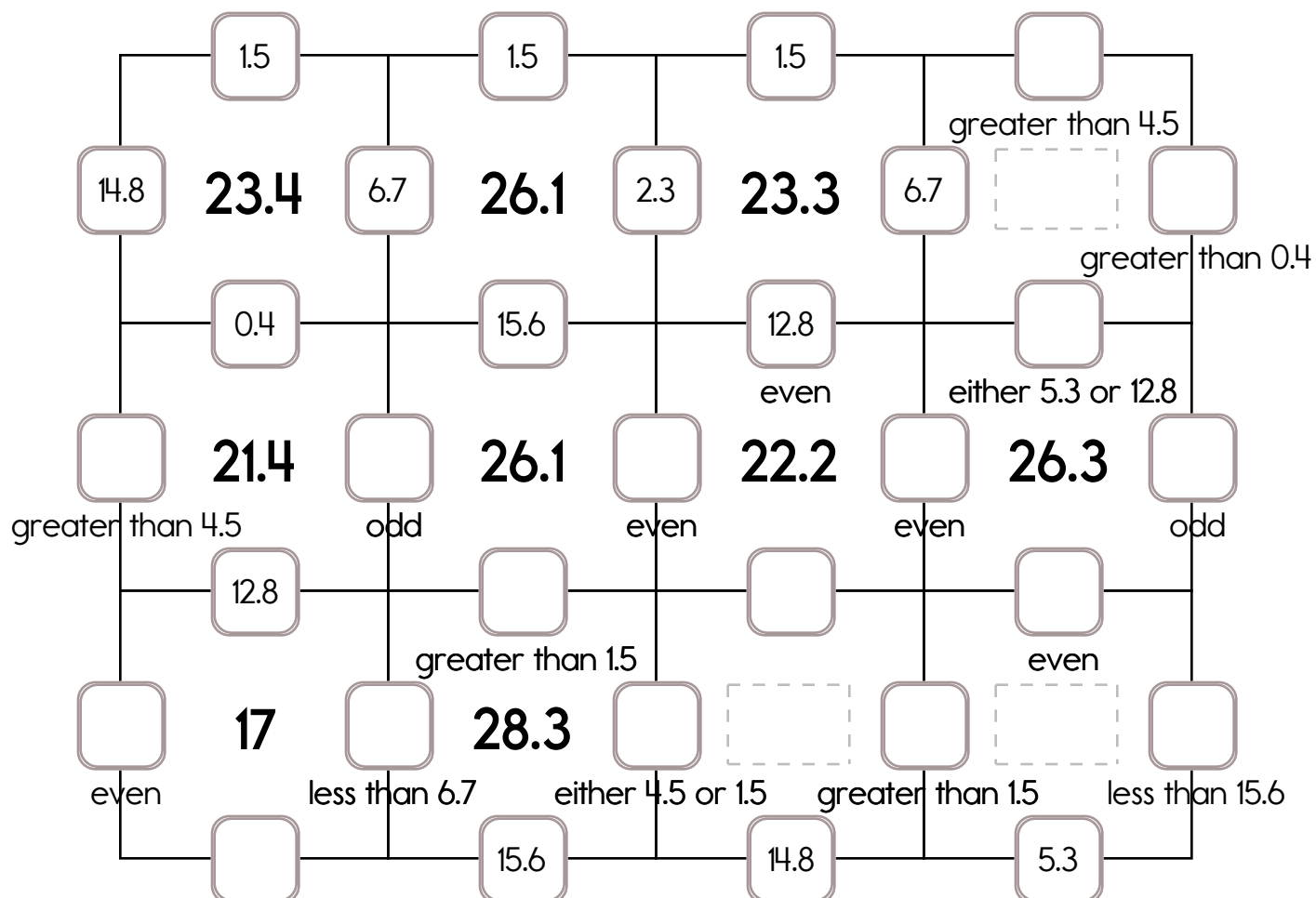0.4 + 15.6 + 1.5 + 4.5 = 22

Example:

2.3 + 4.5 + 1.5 + 15.6 = 23.9

Sample:

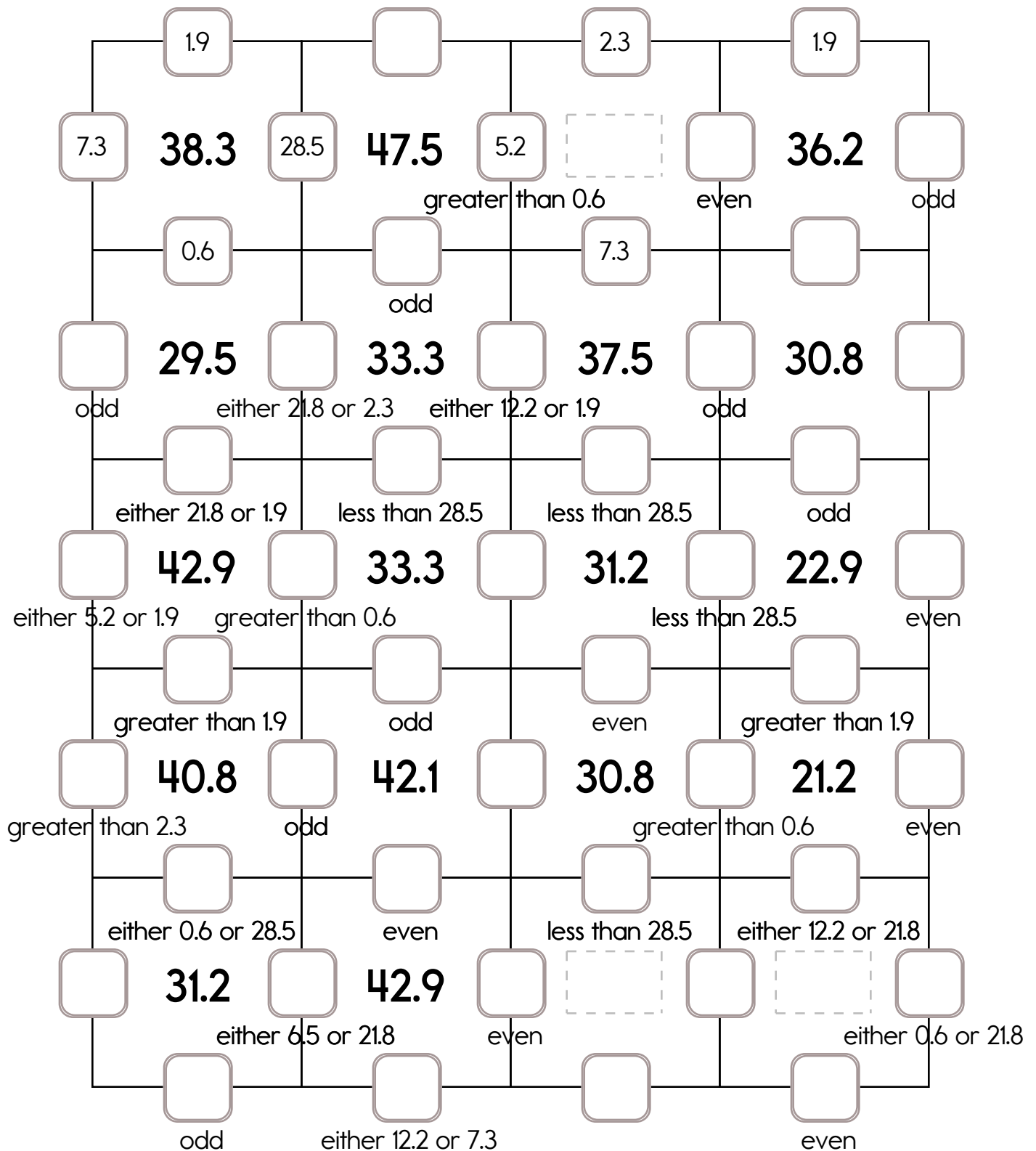|	1.5		1.5		1.5	
0.4	**22** is the sum	15.6	**19.8** is the sum	2.3	**23.9** is the sum	4.5
	4.5		0.4		15.6	

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: 12.8, 15.6, or 14.8. The other three numbers have to all be DIFFERENT and must be from these: 1.5, 6.7, 5.3, 2.3, 4.5, or 0.4.

	1.5		1.5		1.5		☐ greater than 4.5	
14.8	**23.4**	6.7	**26.1**	2.3	**23.3**	6.7	⬚	☐ greater than 0.4
	0.4		15.6		12.8 even		☐ either 5.3 or 12.8	
☐ greater than 4.5	**21.4**	☐ odd	**26.1**	☐ even	**22.2**	☐ even	**26.3**	☐ odd
	12.8		☐ greater than 1.5		☐		☐ even	
☐ even	**17**	☐ less than 6.7	**28.3**	☐ either 4.5 or 1.5	⬚ greater than 1.5	☐	⬚ less than 15.6	
	☐		15.6		14.8		5.3	

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: 21.8, 12.2, or 28.5.
The other three numbers have to all be DIFFERENT and must be from these: 6.5, 7.3, 1.9, 0.6, 2.3, or 5.2.

1.9   2.3   1.9

7.3   **38.3**   28.5   **47.5**   5.2   **36.2**

greater than 0.6   even   odd

0.6   7.3

odd

29.5   **33.3**   **37.5**   **30.8**

odd   either 21.8 or 2.3   either 12.2 or 1.9   odd

either 21.8 or 1.9   less than 28.5   less than 28.5   odd

42.9   **33.3**   **31.2**   **22.9**

either 5.2 or 1.9   greater than 0.6   less than 28.5   even

greater than 1.9   odd   even   greater than 1.9

40.8   **42.1**   **30.8**   **21.2**

greater than 2.3   odd   greater than 0.6   even

either 0.6 or 28.5   even   less than 28.5   either 12.2 or 21.8

31.2   **42.9**

either 6.5 or 21.8   even   either 0.6 or 21.8

odd   either 12.2 or 7.3   even

Name: _____

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

Mental Math = Do it in your head!

imagine 9 in your head	imagine 5 in your head	imagine 9 in your head	imagine 6 in your head
add 7	subtract 5	add 8	add 5
add 1	add 1	add 9	multiply 4
	add 2	add 5	add 4
	add 6	subtract 6	subtract 9
		double it	subtract 7
			Add the tens digit to the ones digit.
Write the ones digit.	Write the number.	Write the odd digit in your answer.	Write the sum.
____	____	____	____
A	B	C	D

What is the sum?

A + B + C + D

____ ____

Wow! Great job! That's the answer, but do you know how to SPELL the number?

___ ___ ___ ___ ___ _y_ - ___ _i_ _x_

6 after 13 _____   8 before 18 _____   2 after 15 _____

7 after 17 _____   5 before 15 _____   1 after 16 _____

5 after 19 _____   1 before 17 _____   9 after 14 _____

Name: _____

Hunter bought 10 tickets to the state fair. He and his friends wanted to watch the horse judging. Each ticket cost $13.25. How much did he spend?

Sarah used a rectangular glass container to make a terrarium on Quiet Day. The container is 5 feet x 1.2 feet x $\frac{1}{4}$ feet. She will fill $\frac{1}{2}$ of it with dirt. How many cubic feet of dirt will she need?
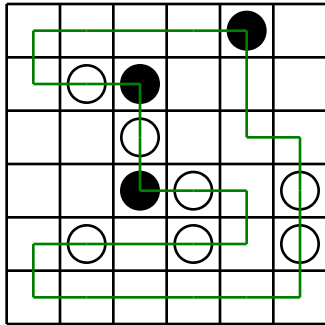
141 - 121 = _____

What time is 17 hours after 2:00 a.m.?

_____

$$\begin{array}{r} 6\ 4 \\ -\ 4\ 4 \\ \hline \end{array}$$

Megan rolls a die. What is the chance of her rolling a 2?

_____

20 cm = _____ mm

8 x 4 = _____

88 ÷ 11 =

Rewrite these in increasing order of length:

9 cm, 54 mm, 901 m

$$\begin{array}{r} 2\ 7\ 9 \\ +\ 2\ 0\ 0 \\ \hline \end{array}$$
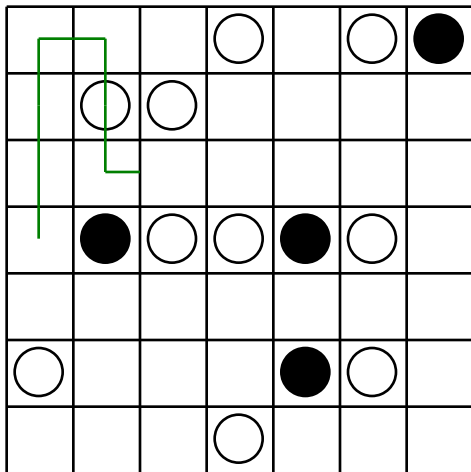
28 ÷ 4 = _____

Name: _____

2 • 3 • 9 • ÷ • 4 • 0 • 1 6 • ÷ • 2 • 3 • 4 • 5 • ÷ • 0 • =
5 • 6 • = • 7

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

7						**5**			
	7	÷		=	**9**		÷	**3**	=	**3**
÷						**5**			
8		**3**		**0**	x	**8**	=		
=		=		**4**					
9		**1**	x	**6**	=				
				1					
4	**8**		**8**	=	**6**				
		x							
		5							
	x	**1**	=	**4**		÷			
		4				**2**			
1		x	**0**		**0**				
				1		÷	**2**		**8**

---

8 x 2 = _____

Which is the better buy?
Nine bags of candy for $72
or three bags of candy for
$27?

```
  5 4 6
- 2 5 0
```

---

30 ÷ 6 =

60 ÷ 6 =

3,676 + 3,378 = _____

---

1 kg = 1,000 g

29 kg = _____ g

```
  2 4
+ 4 3
```

---

word root **bi** can mean **two**   **bicycle, bifocals**

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:
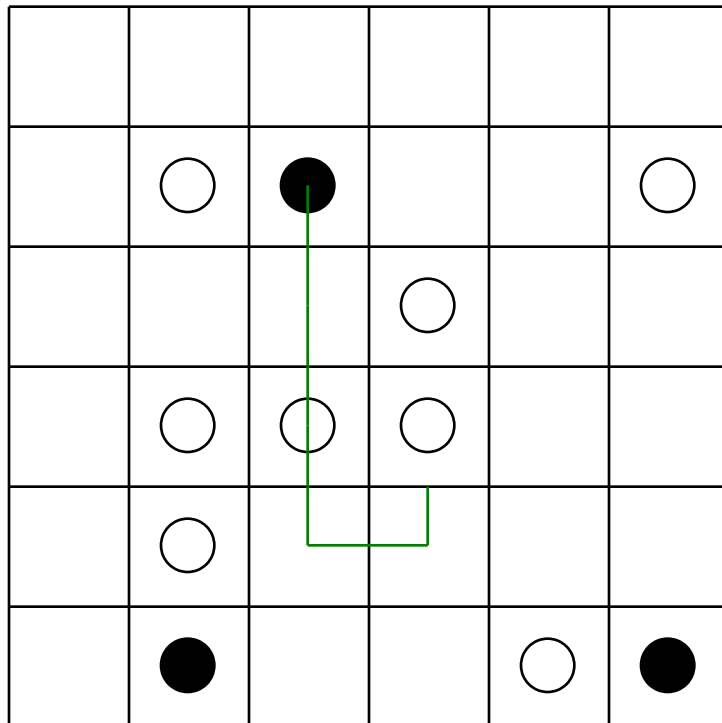
The product of two consecutive whole numbers is 56. What are the two consecutive whole numbers?

Circle the addition property for 35 + 135 = 135 + 35.

associative property

commutative property

10 x 7 = _____

27 ÷ 9 = _____

Name: _____

3	•	2	•	=	•	2	•	5	•	+	•	7	•	=

3 • 2 • = • 2 • 5 • + • 7 • = • 1 • 0 • + • 2 • 8 • 2 • 1 • 2
3 • + • 4 • 0

Use the pieces above to help you fill in the runaway math puzzle.
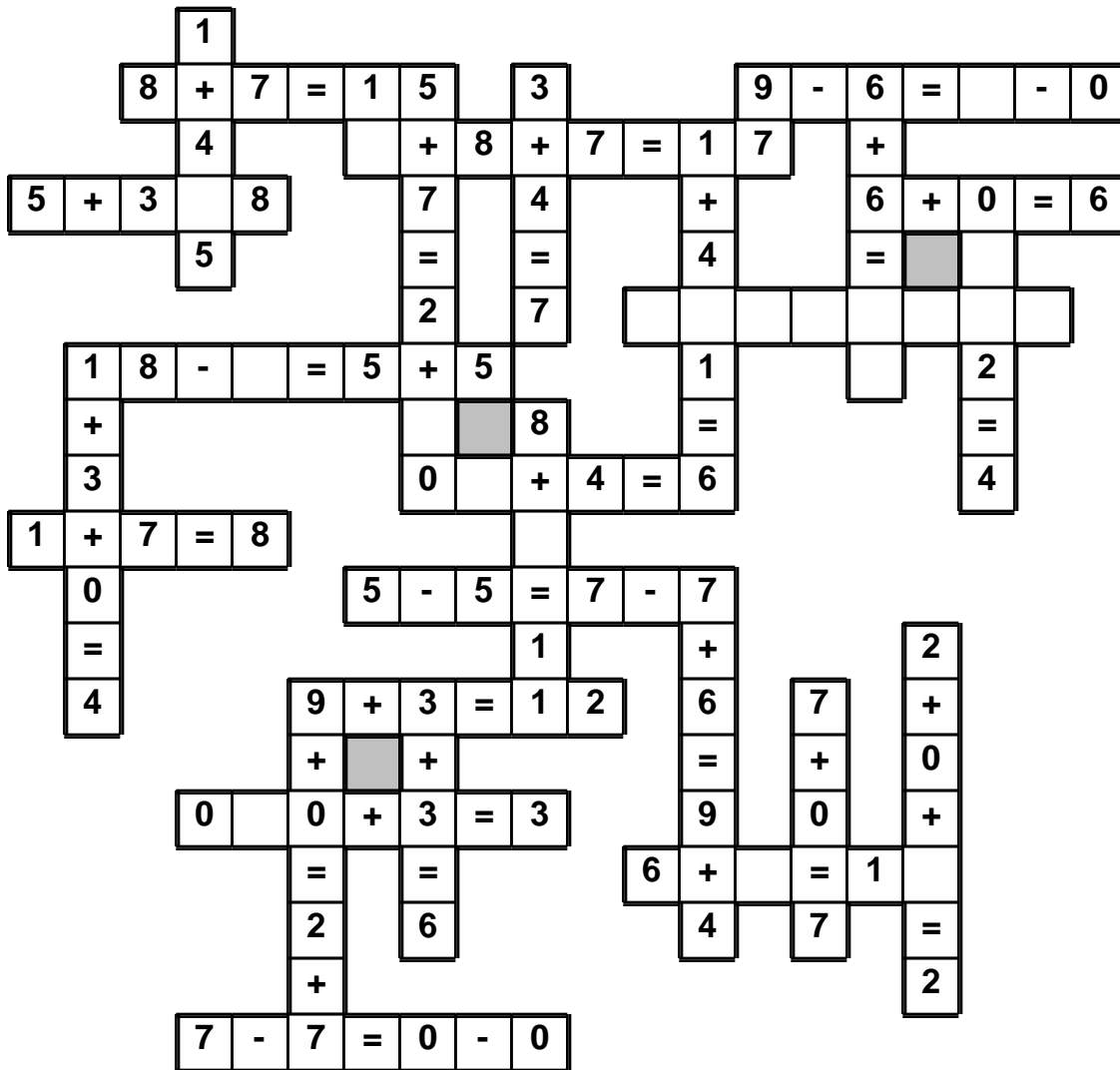
How many grams are in 9 kilograms?

_____ grams

7,277 - 4,872 = _____

For 2,964,202,511,056, write the digit that is in the ten thousands place.

_____

674 + 462 = _____

word root **sequ** can mean **follow**   **sequence, consecutive**

Name: _____

```
  0.35
x 6.76
```

```
  5.4
- 2.61
```

```
  3.1
x 4.3
```

```
  0.6
  0.6
+ 0.4
```

Write as a decimal.

$\frac{9}{10}$

Write as a decimal.

$12\frac{1}{10}$

```
  759.86
+  59.3
```

$5\overline{)0.031}$

What is the sum of 4.8 and 9.8?

Name: _____

4 - 3 - 2 =	-4 x -9 =	$\dfrac{-60}{-5}$ =
-56 ÷ 8 =	-7 + -2 =	-8 - -5 =
2 - 6 - 2 =	-66 ÷ 6 =	5 x -1 =
-6 x 9 =	-35 + 30 =	-99 ÷ -11 =
7 + -3 =	-9 x -10 =	8 + -3 =

Name: _____

Add one set of parenthesis to each equation so that the equation is true.

(7 ÷ 7) + 1 = 2	3 x (10 + 6) = 48
9 + 10 x 9 = 171	9 + 10 x 9 = 99
3 + 11 x 6 ÷ 1 = 69	3 + 11 x 6 ÷ 1 = 84
6 + 5 + 2 - 2 = 11	7 + 2 ÷ 2 x 7 = 14
12 x 8 - 12 + 1 = 83	11 + 9 + 6 ÷ 5 = 14
6 x 9 + 6 - 6 = 54	1 + 12 - 4 + 4 = 13
6 ÷ 3 x 8 + 5 = 26	9 + 3 x 12 + 4 = 148
9 + 3 x 4 - 11 = 10	6 - 3 + 4 + 12 = 19
10 ÷ 2 + 2 + 3 = 10	10 + 4 + 4 - 7 = 11

Name: _____

$$3\overline{)245.1}$$ $$4\overline{)114.48}$$ $$6\overline{)585.168}$$

Circle the percentage that is closest to 26 out of 68:

36%

13%

56%

76%

In what quadrant would you find the point (-2, -8)?

$|-6| - t = 10$

$t =$

If j = 8 and d = -50 then what is the value of f?
10j - 14d - 3d = f

$6 + (70 \div 7) - 36 \div 6 =$

$499 \div 10$

Write as an algebraic expression.

119.7 multiplied by the sum of z and f

If s = 4, f = -9, and n = 2 then what is s • f • n?

The angles in a quadrilateral measure 109°, 100°, 85°, and w°. What is the value of w?

Name: _____

Hint: Words will be horizontal or vertical. Do not look for words diagonally.

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

```
T   D       S   P       R       T
    R   H       V       N   Y       B
B   E   B   R       G       N   D   S
    B   L       S   S   F       L   S
R   D   C   O   D   I   F   Y       T
T   P       J       M       S       G
    P       N       R   Y   L
V   S   H       R       F   F   M
    R       S   C       B   L
F   C   R       T       R       N
```

SHERIFF • SEGUE • BLISSFUL
HAVEN • IRASCIBLE • ABORTIVE
CRITERION • PAJAMAS • YOB
PENURY • BRIGANDS • TEEM
DISPARATE • CODIFY

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

PLATITUDES • PENURY • LANGUID
DISPARATE • BLISSFUL • SHERIFF
SENILE • BRIGANDS • HAVEN • YOB
PANDEMONIUM • CRITERION
ABORTIVE • SEGUE • DILETTANTE
TEEM • CODIFY • GEOSTATIONARY
TEPID • IRASCIBLE

Write as a decimal.

$8\ \frac{658}{1000}$

$6\overline{)13.8}$

Write as a decimal.
Five tenths

Name: _____

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

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

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

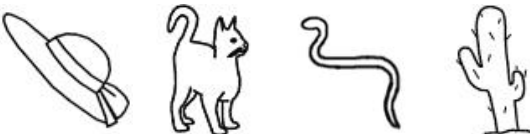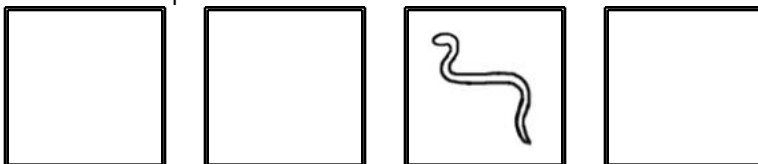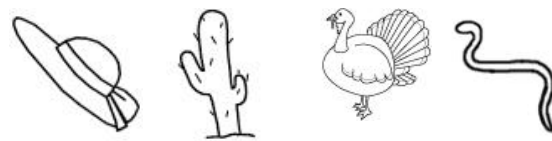Draw 1 of these 3 pictures.
The picture IS in the correct spot.

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

Draw 2 of these 3 pictures.
The pictures to use are in the correct spot.

Draw the 3 pictures in the correct order:

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

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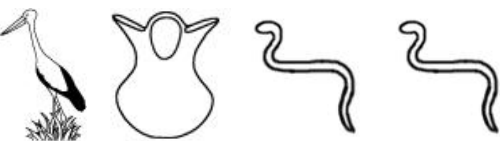
Draw 1 of these 4 pictures.
The picture IS in the correct spot.

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

Draw 2 of these 4 pictures.
None of those pictures are in the correct spot.

Draw 2 of these 4 pictures.
The pictures to use are in the correct spot.

Draw the 4 pictures in the correct order:

Name: _____

Complete each pattern. Write what the rule is.
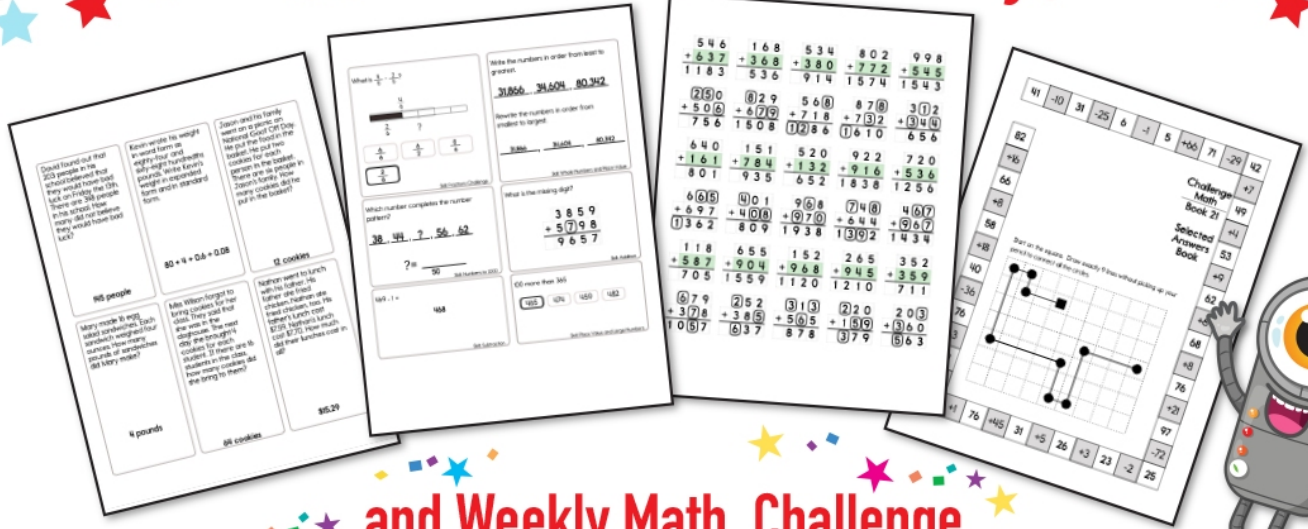
14	28	42
56		84
98	112	
140		168

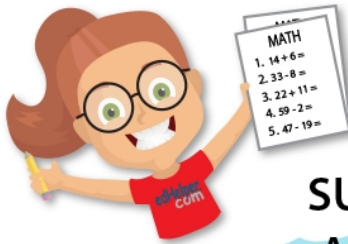Complete each pattern. Write what the rule is.

339776, 397763, 977633, 776339, 763397, 633977, 339776,

397763, 977633, 776339, 763397, 633977, _____, _____

43538, 35384, 53843, _____, _____, 43538, 35384,

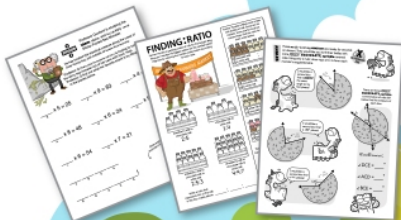_____, _____, 84353, 43538, 35384, 53843, 38435