

Name: _____

Write as a decimal.
Six thousandths

Write as a decimal.

$$\frac{4}{10}$$

Write as a decimal.
Twenty-one hundredths

What is the least common
multiple of 4 and 10?

What is the greatest
common factor of 8 and 12?

What is the least common
multiple of 3 and 5?

Reduce $\frac{4}{8}$ to its lowest
terms.

Reduce $\frac{5}{45}$ to its lowest
terms.

Reduce $\frac{5}{25}$ to its lowest
terms.

$$6 + 5 + 1 + 7 + 5 =$$

Find the sum of 18, 14, and 31.

$$\begin{array}{r} 639 \\ - 91 \\ \hline \end{array}$$

Find the sum of 81 and 42.

$$\begin{array}{r} 99 \\ + 45 \\ \hline \end{array}$$

$$47 + 117 =$$

Name: _____

What is the least common multiple of 2 and 8?

What is the greatest common factor of 8 and 12?

What is the least common multiple of 4 and 8?

Reduce $\frac{5}{10}$ to its lowest terms.

Reduce $\frac{5}{40}$ to its lowest terms.

Reduce $\frac{7}{14}$ to its lowest terms.

Write as a decimal.
Four hundredths

Write as a decimal.
Fourteen and fifteen hundredths

Write as a decimal.
Nine and one tenth

2100 is how much more than 3897?

$$\begin{array}{r} 192 \\ + 167 \\ \hline \end{array}$$

What number is 165 less than 302?

Reduce $\frac{8}{24}$ to its lowest terms.

Reduce $\frac{18}{36}$ to its lowest terms.

Reduce $\frac{8}{16}$ to its lowest terms.

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 2 in your head

multiply 8

double it

Write the ones digit.

_____ **A**

imagine 2 in your head

add 1

multiply 9

add 7

Write the tens digit.

_____ **B**

imagine 2 in your head

add 2

multiply 9

double it

subtract 8

subtract 7

Add the tens digit to the ones digit.

Write the sum.

_____ **C** _____ **D**

imagine 3 in your head

multiply 12

double it

add 2

add 7

subtract 6

Write the tens digit.

_____ **E**

What is the sum?

A + B + C + D + E

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

_____ **n**

2 before 14 _____

1 after 12 _____

8 before 11 _____

6 before 19 _____

5 after 15 _____

7 before 17 _____

3 before 18 _____

7 after 11 _____

1 before 12 _____

Name: _____

The forestry service planted 17 rows of trees on Arbor Day. There were 19 trees in each row. How many trees did they plant in all?

Mr. Jackson has a new truck. He drove it 3.17 miles to the car wash. Then he drove it 2.45 miles to the grocery store. Finally he drove 4.07 miles home. How many miles did he drive in all?

Ava is playing Half Court Quick Hoops at the local arcade. She may be playing way too much! She got her average up to 6 baskets in just 5 seconds. If she can keep up at that rate, how many baskets will she get in during the first round, which is 45 seconds?

Megan invited her friends over to celebrate her birthday. She has 36 boxes of strawberry sour mints to give her friends. In their goodie bags she gave them each 2 boxes of strawberry sour mints. She has 20 boxes left. How many goodie bags did she make?

Name: _____

There are 3 birthdays in our class for the month of September. Robert, Hunter, and Rosa all have birthdays. Rosa is the last to celebrate. Her birthday is on the last day of the month. If you add the day numbers of the other birthdays, it equals the day number that Rosa celebrates her birthday. The first person to celebrate is Robert. His birthday is 14 days before the next birthday. On what day numbers are each of their birthdays?

$$12 \div \underline{\quad} = 6$$

Write the number that is one thousand less than 3,142.

Adam earns \$25 an hour. He worked 3 hours. How much did he make?

$$12 \times 9 =$$

Amy has \$36. She wants to buy something that costs \$93. How much more does she need?

Hannah has 55 books. She organized them equally into 5 boxes. How many books in each box?

Choose the word that best completes the sentence.

I (may/can) jump rope 100 times without missing once!

Circle the word that best completes the sentence.

When your sister is (your/you're) twin, you have to work hard to find your own interests.

Name: _____

Rose can't find her phone, so she is using an old fashioned map to see how far away two cities are. She measured that they are a little more than 7 centimeters apart. If the scale says that 1 cm = 14 kilometers, then about what is the real distance?

$$3 - (1 \times 3)$$

In the equation $34 \times 388 = 13,192$, which number is the product?

At 1 p.m. today, Megan will not be able to use her electronics for 3 hours. At what time will she be able to resume using her phone?

Circle the four numbers whose sum equals 29.

10	4	4	9
5	15	13	16
11	3	5	18

104, 117, 130, 143,
_____, 169, 182, 195


What is the sum of 3 and 48?

Name: _____

<p>The fourth grade students invited their parents to come to their classroom on Alexander Graham Bell Day to see their projects. Sara was making nametags for the parents. She needs 44 nametags. If she makes 5 nametags each day, how many days will it take her to make all the tags?</p>	<p>Justin and his father went to King Frog's Barbeque Shack. Justin had a barbequed pork sandwich, french fries, and a small drink for \$5.65. His father had a barbequed beef sandwich, a baked sweet potato, and a cup of coffee for \$7.32. How much did their lunches cost in all?</p>	<p>Hunter and Justin are playing the game "Mr. McGregor's Farm." They are using a spinner with 3 red sections, 1 yellow section, 1 green section, and 2 blue sections. What is the chance Hunter will spin blue on his first turn?</p>
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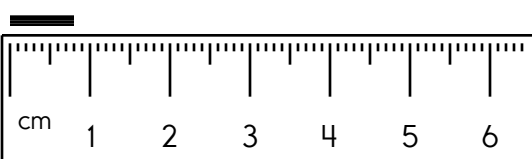
$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$	<p>Which number is greater: 0.4 or 0.49?</p> <p>_____</p>
$\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	<p>What are 10 equal to?</p> <p>_____</p>

<p>The factors of 18 are _____ 3 _____ 18</p>	<p>Round 285,793 to the nearest hundred.</p> <p>_____</p>
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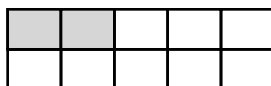
 <p>Write this number using words.</p>	<p>If you add 9 to me, the sum is 87. What number am I?</p> <p>_____</p>
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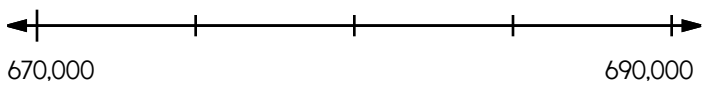
Name: _____

List the first five multiples of 9. _____	What are 31 tens equal to? _____
--	---

Fill in the boxes so each line equals 12. <div style="border: 1px solid black; background-color: #d3d3d3; text-align: center; padding: 2px; margin: 5px 0;">12</div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">48</div> <div style="margin: 0 10px;">÷</div> <div style="border: 1px solid black; width: 40px; height: 30px; margin-left: 10px;"></div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">15</div> <div style="margin: 0 10px;">-</div> <div style="border: 1px solid black; width: 40px; height: 30px; margin-left: 10px;"></div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; width: 40px; height: 30px; margin-right: 10px;"></div> <div style="margin: 0 10px;">×</div> <div style="border: 1px solid black; padding: 5px; margin-left: 10px;">6</div> </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">(</div> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">10</div> <div style="margin: 0 10px;">-</div> <div style="border: 1px solid black; width: 40px; height: 30px; margin-left: 10px;"></div> <div style="margin: 0 10px;">)</div> <div style="margin: 0 10px;">+</div> <div style="border: 1px solid black; width: 40px; height: 30px; margin-left: 10px;"></div> </div>	Write the length in centimeters. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">  </div>
Insert punctuation marks into this sentence. If you want to be good at spelling my mother told me you must study for the test	

What is the value of the BIG digit? 8 5 ,144 _____	If $a = 18$, then what does $a - 2$ equal? _____	<div style="font-size: 2em;">7</div> $\overline{)35}$
---	--	---

Can you think of a five-letter word that has the vowel O in it? _____	Write a fraction to represent what is shaded. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">  </div>
--	--

Write two odd numbers that when added together equal the even number 14. _____	Locate where to put the number 685,000 and label the point F. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">  </div>
---	---

Add one hundred to 453. _____	How many inches are in one foot? _____	<div style="font-size: 1.5em;"> 76 - 51 --- </div>
--------------------------------------	---	--

Name: _____

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

C	S		S		P		M		H
		P	S			M	Y		N
	M		T	B	R		S	R	
G	B	N	C	S	L	T			
H		T	R	M		C	L	M	F
T	R	R	E		R		F		
M	S		S	D	G	R		M	G
M		C	T		R		H	B	G
	M			N	T	S	M		Y
R		R		G	M	S	F	R	T

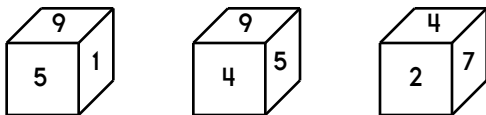
SOMBER • MYSELF • PARLOR
FOGGY • AMOUNT • CARESS
CAUGHT • REST • PINT • REMEMBER
RARE • MADE

What number is one thousand more than 6,572?

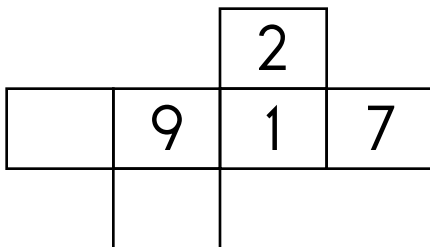
Jacob has 12 turtles. His turtles are very lazy. He fed his turtles today. Only $\frac{1}{2}$ of them woke up to eat. How many turtles did not wake up to eat?

$$\begin{array}{r} 71 \\ - 39 \\ \hline \end{array}$$

This is the look at one cube that is turned around a few times.



This pattern can be folded into the cube. Fill in the missing boxes.



Round to the nearest hundred.

19,388 is rounded to _____

89,422 is rounded to _____

17,812 is rounded to _____

Fill in the missing fractions.

_____, _____, $\frac{5}{7}$, $\frac{6}{7}$

Cross out all of the prepositional phrases in the sentence.

I love playing on your jungle gym!

Name: _____

$$\begin{array}{r} 95 \\ - 64 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 22 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 953 \\ - 29 \\ \hline \end{array}$$

$$\begin{array}{r} 470 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 269 \\ - 85 \\ \hline \end{array}$$

$$\begin{array}{r} 686 \\ + 86 \\ \hline \end{array}$$

$$\begin{array}{r} 710 \\ - 86 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ + 60 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 135 \\ - 47 \\ \hline \end{array}$$

$$\begin{array}{r} 136 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 208 \\ + 464 \\ \hline \end{array}$$

$$\begin{array}{r} 763 \\ + 529 \\ \hline \end{array}$$

$$\begin{array}{r} 1,252 \\ - 391 \\ \hline \end{array}$$

$$\begin{array}{r} 1,846 \\ - 945 \\ \hline \end{array}$$

$$\begin{array}{r} 928 \\ + 290 \\ \hline \end{array}$$

$$\begin{array}{r} 350 \\ + 255 \\ \hline \end{array}$$

$$\begin{array}{r} 533 \\ - 182 \\ \hline \end{array}$$

$$\begin{array}{r} 1,187 \\ - 482 \\ \hline \end{array}$$

$$\begin{array}{r} 391 \\ + 238 \\ \hline \end{array}$$

$$\begin{array}{r} 1,680 \\ - 900 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ + 74 \\ \hline \end{array}$$

$$\begin{array}{r} 131 \\ - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 101 \\ - 63 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 120 \\ - 49 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 104 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 2 \\ \hline \square \\ + 3 \end{array}$$

$$\begin{array}{r} 15 \\ + \square \\ \hline \end{array}$$

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

$$\begin{array}{r} 26 \\ - \square \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + 7 \\ \hline \square \end{array}$$

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

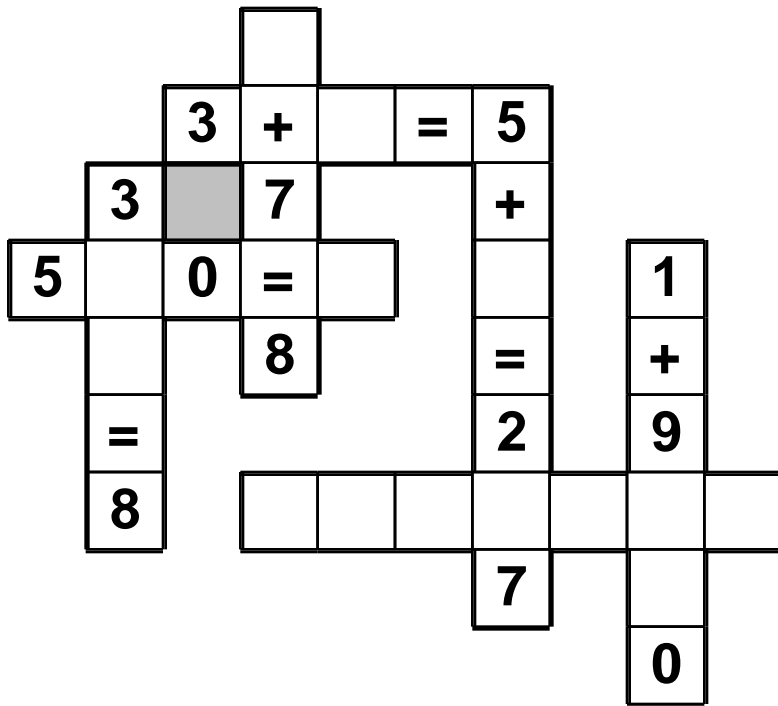
$$\begin{array}{r} 23 \\ + \square \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ - 4 \\ \hline \square \end{array}$$

Name: _____

1 • 2 • + • 5 • 4 • 5 • 0 • + • 4 • + • 2 • = • 6 • 1

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 6 10
N E C K

3

1 2 4 8 14 20
N E

1 2 4 6 8 12 18
E

Make a Word

Sum

1 2 4 6 10
U

1 2 6 12
C R A

1 2 6 12
P L A

word root **ab** can mean **away**

abnormal, abrupt

Name: _____

Match each pattern to its rule.

- 6, - 6

- 3, + 8

87, 91, 98, 102, 109, 113, 120

279, 288, 286, 295, 293, 302

305, 300, 309, 304, 313, 308, 317, 312

220, 213, 217, 210, 214, 207

201, 195, 189, 183, 177, 171, 165, 159, 153

401, 398, 406, 403, 411, 408, 416, 413, 421

- 7, + 4

+ 4, + 7

+ 9, - 2

- 5, + 9

What is the greatest common factor of 3 and 12?

What is the least common multiple of 4 and 12?

What is the greatest common factor of 9 and 15?

Is 27 a composite or a prime number?

Jenna has \$30. She wants to buy something that costs \$93. How much more does she need?

Holly bought a pack of six waters. It cost \$4.01. How much did each water cost?

$7 + 72 \div 9$

16, 23, 32, _____, 56,
71, 88, 107, 128, 151, 176

triple 13 =

Name: _____

Complete each analogy with the best word.

lying	ruin	airport
snappy	unfairness	house
delighted	praise	staccato
cheating	tree	hospital
cucumbers	tenor	kill

learn : school ::

travel : _____

honor : recognize ::

assassinate : _____

crocodile : water ::

monkey : _____

embarrassed : uncomfortable ::

happy : _____

† : church ::

+: _____

justice : injustice ::

fairness : _____

female : soprano ::

male : _____

beautify : pollute ::

improve : _____

right : wrong ::

fair : _____

catsup : tomatoes ::











pickles : _____

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

BACK • BEET • RUIN
FIREWORKS • DELIGHTED
DOTS • FEMUR • VERTICAL
HOSPITAL • DOG • CHEATING
TENOR • TRACTOR • SEASON
AQUARIUM • SLOWER • TREE
PRESIDENT • CONCERT
HONOR • HANDS • MAGICIAN
CAR • FOG • AMERICA
CUCUMBERS • STATE
MAMMAL • CHOIR
INTESTINES • KING • WATER
SELL • AIRPORT • STALK
DEEP • LAUNCH • ENGLAND
MOUSE • KILL • UNFAIRNESS
WEST

Name: _____

Draw ONE continuous line that touches every box ONCE.
Count by 3s. Find the box with the number 11. Move up, down, right, or left.
Keep counting until you reach 146. Do not move into a spot with a ghost.

146			-- -- 101 --			
						
		-- --	11 -- -- 11	83		
						
		-- --				
-- --	29	26		74		
	-- --					
						

Circle the even numbers.

45 89 83 63
52 48 34 132
42 121 38 22

Circle the smallest number.

715 725 643
675 455 436

$$\begin{array}{r} 69 \\ - 19 \\ \hline \end{array}$$

In the number 138,629, what digit is in the ten-thousands place?

$$10 + 6 = \underline{\hspace{2cm}}$$

- ☐ cagi
- ☐ cage
- ☐ cogo
- ☐ cege

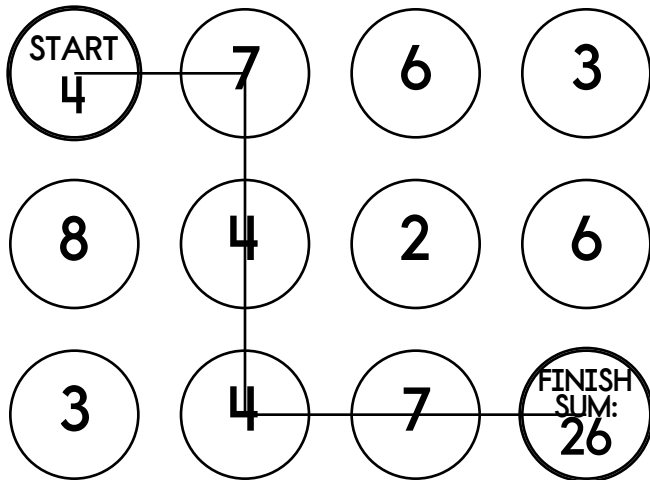
Eric's birthday is in March.
Mary's birthday is five months after Eric's birthday. What month is Mary's birthday?

$$\begin{array}{r} 1 \\ 9 \\ + 77 \\ \hline \end{array}$$

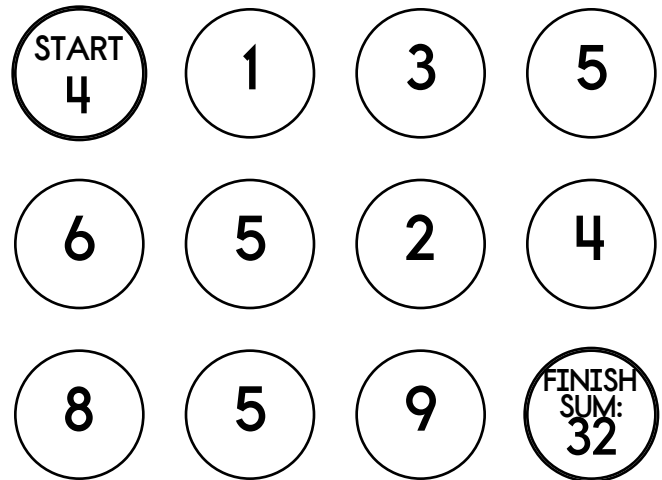
What temperature is twenty-four degrees above freezing in Fahrenheit?

Name: _____

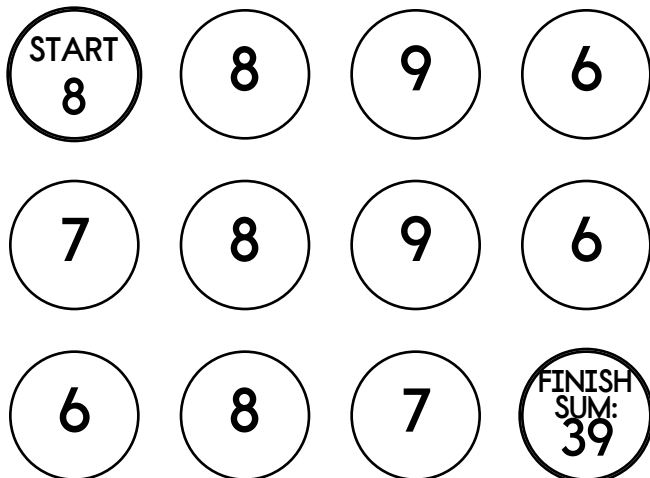
Make a path by adding up the numbers. Do not visit a circle more than once. The first one is done.



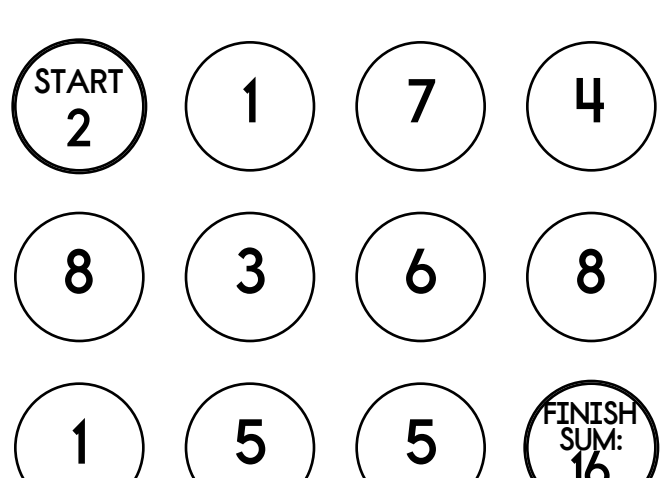
$$4 + 7 + 4 + 4 + 7 = 26$$



$$4 + 6 + __ + __ + __ = 32$$



Did you find a path? Write the equation.



$$2 + __ + __ + __ + __ = 16$$

Name: _____

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

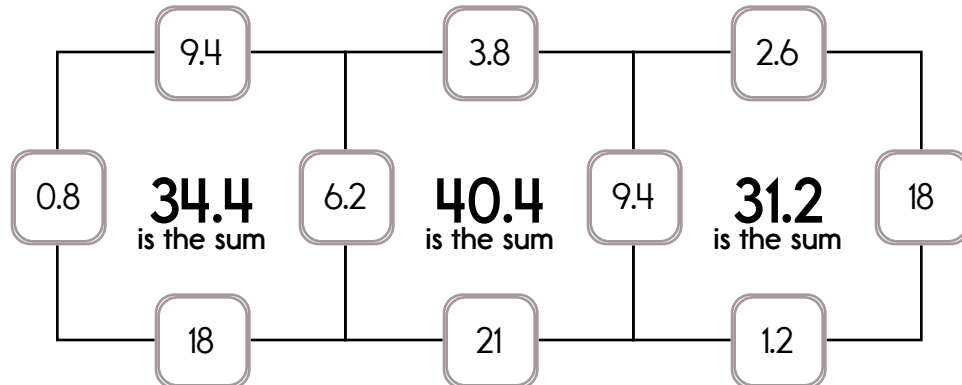
Example:

$$0.8 + 6.2 + 9.4 + 18 = 34.4$$

Example:

$$9.4 + 18 + 2.6 + 1.2 = 31.2$$

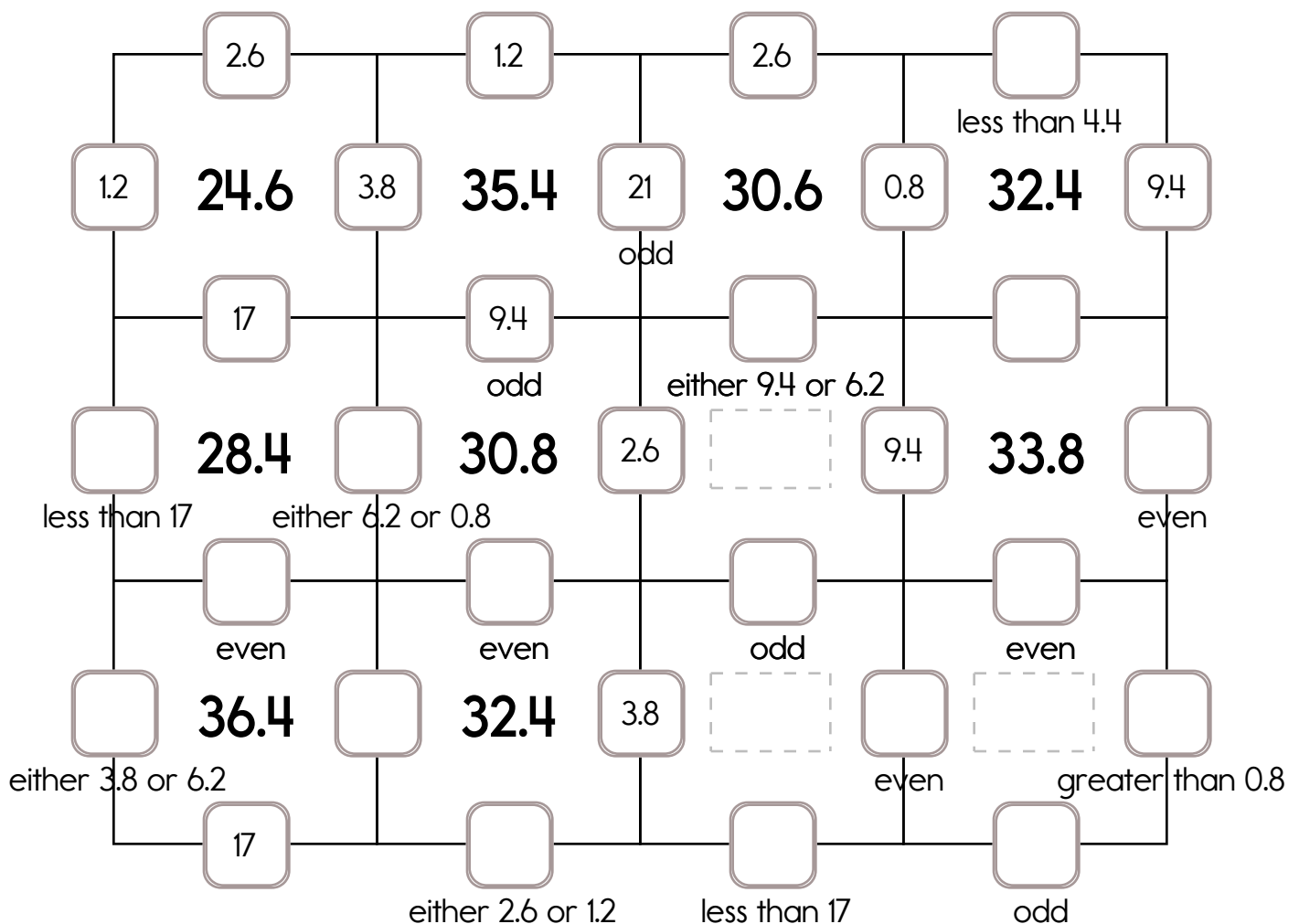
Sample:



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: 18, 17, or 21.

The other three numbers have to all be DIFFERENT and must be from these: 2.6, 6.2, 4.4, 1.2, 3.8, 0.8, or 9.4.



Exactly one of the four numbers has to be one of these numbers: 25, 24, or 16.

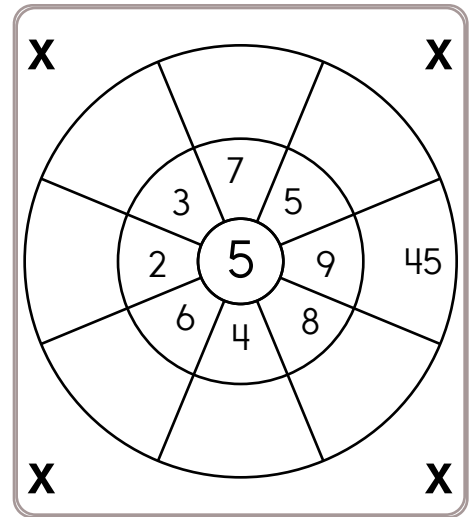
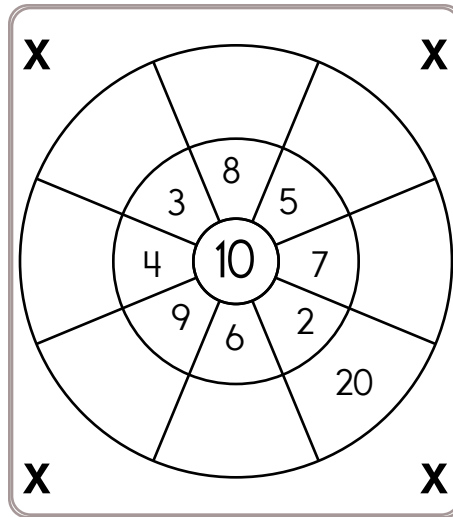
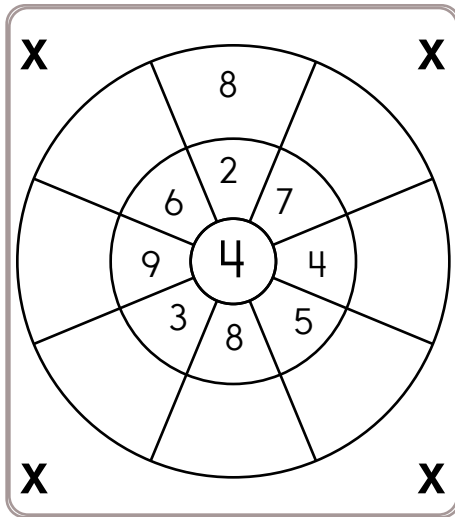
The other three numbers have to all be DIFFERENT and must be from these: 6.2, 0.2, 8.8, 9.6, 4.6, or 3.6.

A 10x10 grid logic puzzle. The grid contains numbers and clues. Some cells are empty and have dashed borders, indicating they are to be filled. The clues are as follows:

- Row 1: 3.6, 24, 24, 24
- Row 2: 16, 28.6, 0.2, less than 24, 6.2, 34, 3.6, 43.4, even
- Row 3: 8.8, greater than 0.2, 0.2, greater than 4.6
- Row 4: odd, 48.6, even, 43.4, odd, 43.6, even, 47, either 16 or 25
- Row 5: either 24 or 6.2, either 0.2 or 25, greater than 0.2
- Row 6: 3.6, 41.8, even, 38.4, even, 45.4, odd, 42.8
- Row 7: odd, odd, even, greater than 9.6
- Row 8: even, 43.6, either 8.8 or 0.2, 38, 39, greater than 0.2, 39.4, even
- Row 9: odd, odd, even, less than 25
- Row 10: either 3.6 or 6.2, less than 3.6, less than 6.2, even
- Row 11: either 8.8 or 24, greater than 8.8, either 0.2 or 16

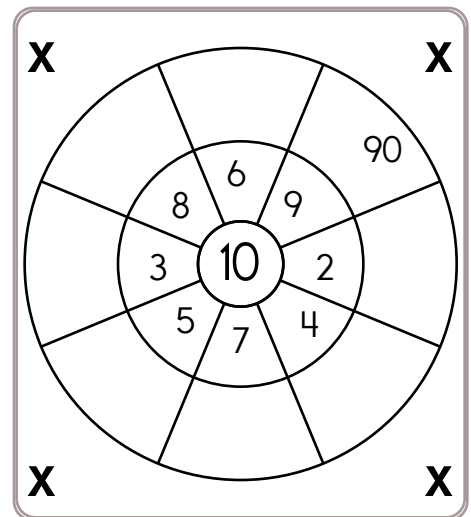
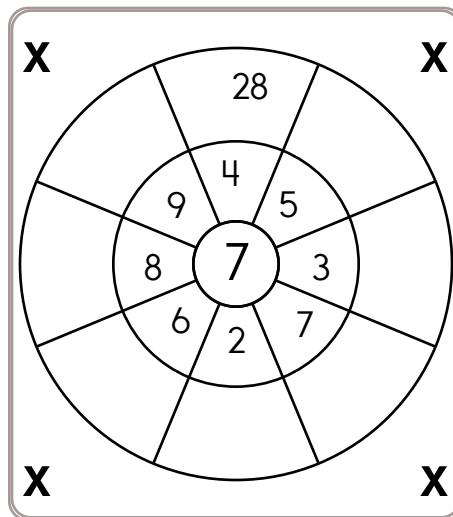
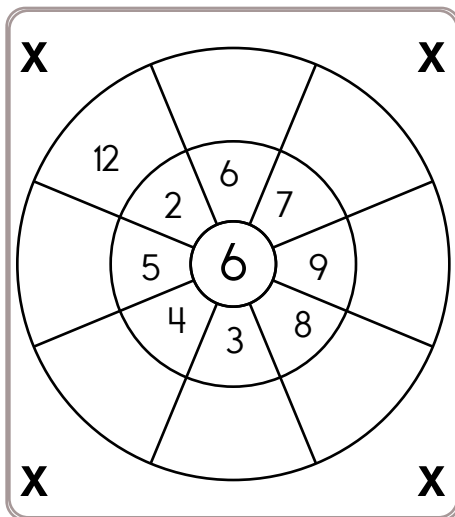
Name: _____

Multiply the numbers by the number in the center.



$11 \times 2 =$ $2 \times 11 =$ $3 \times 0 =$ $9 \times 3 =$ $7 \times 7 =$

Multiply the numbers by the number in the center.



$5 \times 7 =$ $8 \times 2 =$ $1 \times 6 =$ $12 \times 9 =$ $11 \times 9 =$

$4 \times 2 =$ $8 \times 7 =$ $5 \times 10 =$ $4 \times 3 =$ $6 \times 12 =$

$8 \times 12 =$ $6 \times 0 =$ $3 \times 4 =$ $5 \times 4 =$ $10 \times 11 =$

Name: _____

Find the missing numbers. These both have the same rule. What is the rule?

If

$$1, 9 = 10$$

$$2, 14 = 16$$

$$3, 16 = 19$$

$$4, 20 = 24$$

Then

$$5, 22 = ?$$

If

$$4, 5 = 9$$

$$5, 9 = 14$$

$$6, 13 = 19$$

$$7, 16 = 23$$

Then

$$8, 20 = ?$$

Complete each pattern. Write what the rule is.

83968, 88396, 68839, 96883, 39688, 83968, 88396,
68839, 96883, _____, _____, 88396, 68839, 96883

15589, 91558, 89155, _____, 55891, 15589, 91558,
89155, 58915, _____, 15589, 91558, 89155, 58915



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