Name: _____

$(2 + 12) + 4 = 2(v + 6)$

What is the value of v?

10, _____, 14, 16, 18, 20, 22

37, 48, 59, 70, 81, 92, 103, 114, _____, 136

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

$110 - p = $40
What is the value of p?

If n = 9 and z = -54 then what is 9n - 10z + 3z = ?

What is the mode of the following number set?

35, 33, 40, 37, 39, 30, 39, 38, 35, 43, 42, 32, 36, 29, 31

9, 9, 5, _____, 5, 9, 9, 9, 5, 5, 5, 9, 9, 9, 9, 5, 5, 5, 9, 9, 9, 9, 9, 5, 5, 5, 9, 9

66, 7, 58, _____, 50, 31, 42, 43, 34, 55, 26, 67, 18, 79

$14x - 11.1 = 100.9$

x =

Circle the percentage that is closest to 18 out of 73:
71%
37%
5%

$\frac{2}{8}$ x $\frac{5}{9}$

Name: _____

$y = x + 18$
$y = 24$
What is the value of x?

$0.6 \, (0.5 \, (0.6 + 3)) =$

$3 + 3 \cdot 12 + 5$

If

$1{,}000{,}000{,}000{,}000$

$= 10^X$, then what is the

value of x?

The unknown value x is a multiple of 5, is greater than 194, and it is divisible by 15. What can be the lowest possible value of x?

Rewrite as an algebraic expression or equation.

Nine thousand five hundred ninety-seven minus the product of p and 48.8.

Simplify.

$\dfrac{16}{28} =$

Circle the least amount:
40%
0.13

$\dfrac{12}{25}$

If m = -6 and x = 43 then what is 5m + 8x - 2x = ?

5, 39, 13, 48, 21, 57, 29,

_____, 37, 75, 45, 84

Convert $39\dfrac{4}{5}$ to an improper fraction.

A circle graph has four sections. Only three sections are labeled. The labels are 15.19%, 26.84%, and 17.97%. What should the missing section be?

Name: _____

It is 14øC outside. How many whole degrees can the temperature rise and still be less than 26øC?

Barky the clown is giving away lollipops at the circus. He has four different kinds. Now Barky is a mathematically inclined clown (very rare in the circus world), and he likes to give the lollipops away in order such that for every sequence of four lollipops he gives away, he repeats the sequence as few times as possible. How many different sequences are there for Barky to give out his lollipops, assuming he always gives them away in sequences of four different colors in a row each time?

If you take the first number and subtract it by the second, the difference is 12.

What are the two numbers?

$$\begin{array}{r} 0.4 \\ -\ 0.37 \\ \hline \end{array}$$

0.58 + 7.5 =

Find the difference between 26.6 and 20.3.

word root **mis** can mean **bad**   **mistake, misfortune**

Name: _____

Draw a line from START to END.

17   ~~16~~   48

0

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

5 + 27 ÷ 9

36 ÷ 3 x 10

START

12 ÷ 3 x 12

60 ÷ 6 x 3

12 x 48 ÷ 8

9 + 77 ÷ 11

16

84 ÷ 12 - 2

8 + 96 ÷ 12

6 + 10 + (10 - 3)

9 - 3 + (11 x 9)

9 + (8 x 2) x 3

5 + 3 + 5 - 11

END

10 - (11 - 6) + 12

12 + (7 x 4) - 11

8 + 80 ÷ 10

2 + 9 + 6 x 11

12 - 72 ÷ 6

36 ÷ 6 + 3

5 x 70 ÷ 7

8 x 9 + 5 + 12

10 x 5 + 6 - 12

20 ÷ 10 - 1
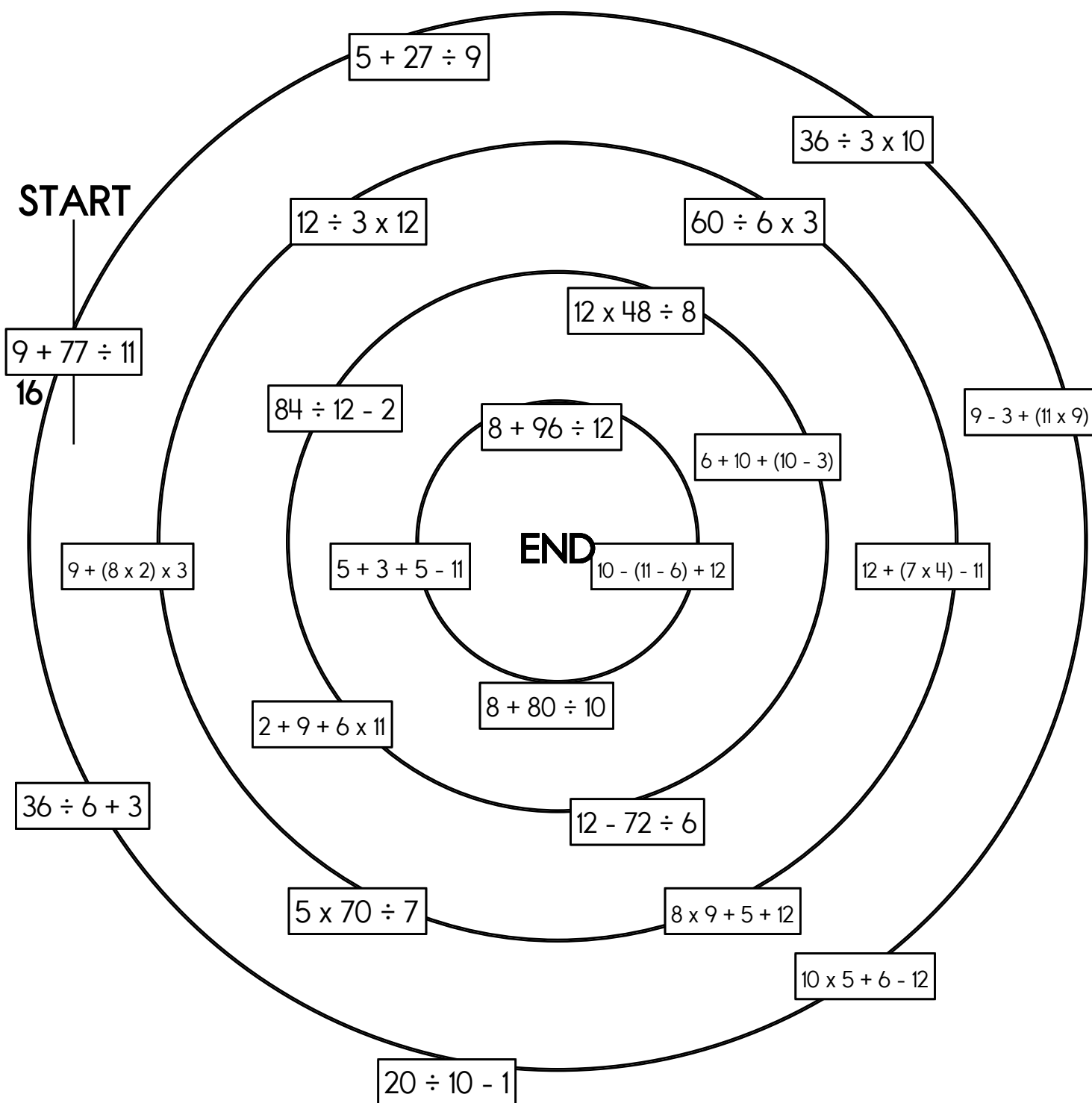
Name: _____

27 ÷ 3 x 6

How much money is 1 quarter, 1 dime, 9 nickels, and 1 penny?

Write the missing family fact.

108 ÷ 6 = 18

18 x 6 = 108

6 x 18 = 108

A rectangle is 52 cm on one side and 13 cm on another side. What is the perimeter?

What is the area of a rectangle with sides 5 cm and 9 cm?

It was 2 degrees above zero in the morning. By afternoon the temperature rose 15 degrees. How warm was it?

In what quadrant would you find the point (-1, 8)?

Rewrite $\frac{1}{5}$ as a decimal.

Simplify.

$\frac{6,000}{18,000}$ =

7, 10, 14, _____, 25, 32, 40, 49, 59, 70

What is the mode of the following number set?

16, 28, 15, 22, 31, 18, 27, 20, 17, 24, 30, 19, 26, 21, 25

6, __, _____, __,

__, 5094

Simplify.

$\frac{82}{164}$ =

$\frac{10}{28}$ ÷ $\frac{6}{7}$ =

6 + (48 ÷ 6) - 40 ÷ 8 =

Name: _____

If it takes 1.7 yards of denim to make a pair of Levis in size 10, how much denim does it take to make 41 pairs of size 10 jeans?

Jenna helped her aunt pick tomatoes from her garden. It was hard work and it made her back hurt, but it was worth it. Those juicy fresh tomato sandwiches would be delicious! They picked tomatoes from 7:39 a.m. until 12:11 p.m. For how long did Jenna and her aunt pick tomatoes?

Some fifth graders took a survey asking students whether they felt a lot of stress, a little stress, or no stress. The survey showed that $\frac{1}{5}$ felt a lot of stress, $\frac{1}{2}$ felt a little stress, and $\frac{3}{10}$ felt no stress. There were 9 students that felt no stress. How many students took the survey?

Write 3,006 in words.

_____

$$\begin{array}{r} 6\ 1\ 2 \\ -\ 1\ 8\ 9 \\ \hline \end{array}$$

If you divide 38 by 3, you get a remainder of 2.
Make up three other different equations where you divide by 3 and get a remainder of 2.

$1{,}513 + 6{,}653 =$ _____

$30 \div 10 =$ _____

$$\begin{array}{r} 2\ 1 \\ +\ 2\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3\ 8\ 0 \\ +\ 2\ 0\ 7 \\ \hline \end{array}$$

Name: _____

Mary rolls two dice. What is the chance of her rolling a 6 on one die and a 6 on the other die?

_____

15 cm = _____ mm

2 x 9 = _____

Can 582 be evenly divided by 12? Circle:

582 is NOT evenly divisible by 12

582 is evenly divisible by 12

For 9,889,884,471, write the digit that is in the ten thousands place.

_____

12 x 7 = _____

$$\begin{array}{r} 4\ 3 \\ -\ 2\ 9 \\ \hline \end{array}$$

Anna is going to roll two dice. What is the chance that her total will be either 4 or higher on her first roll?

1 kg = 1,000 g

18 kg = _____ g

Write an equation to represent this:

The product of four and eight is thirty-two.

_____

528 - 512 = _____

Connor has four nickels, four quarters, and one penny. He also has one other coin that is different from the rest of his coins. How much could he have?

How many feet are in 4 yards?

_____ feet

Name: _____

Sarah and Emily are playing a number game.
Sarah says 35. Emily replies that the answer is 4.
Sarah says 75. Emily replies that the answer is 9.
Sarah says 11. Emily replies that the answer is 1.
Sarah says 19. Emily is thinking. What number should
Emily reply with?

$45 \div 5 =$ _____

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

$10 \times 8 =$ _____

$10 \times 8 =$ _____

$6 \times 5 =$ _____

$24 \div 4 =$

How many dimes make $3.60?

$6 \times 2 =$ _____

Hannah and Jenna are playing a number game.
Hannah says 9. Jenna replies that the answer is 81.
Hannah says 3. Jenna replies that the answer is 9.
Hannah says 1. Jenna replies that the answer is 1.
Hannah says 8. Jenna is thinking. What number should
Jenna reply with?

$36 \div 3 =$ _____

Name: _____

9 • 0 • 0 • x • 4 • 5 • 2 • 9 • 8 • 1 • 8 • ÷ • 2 • = • 9 • x
= • 1 • 6 • 2

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

7	x	7	=	4	

Can 877 be evenly divided by 5? Circle:

877 is evenly divisible by 5

877 is NOT evenly divisible by 5
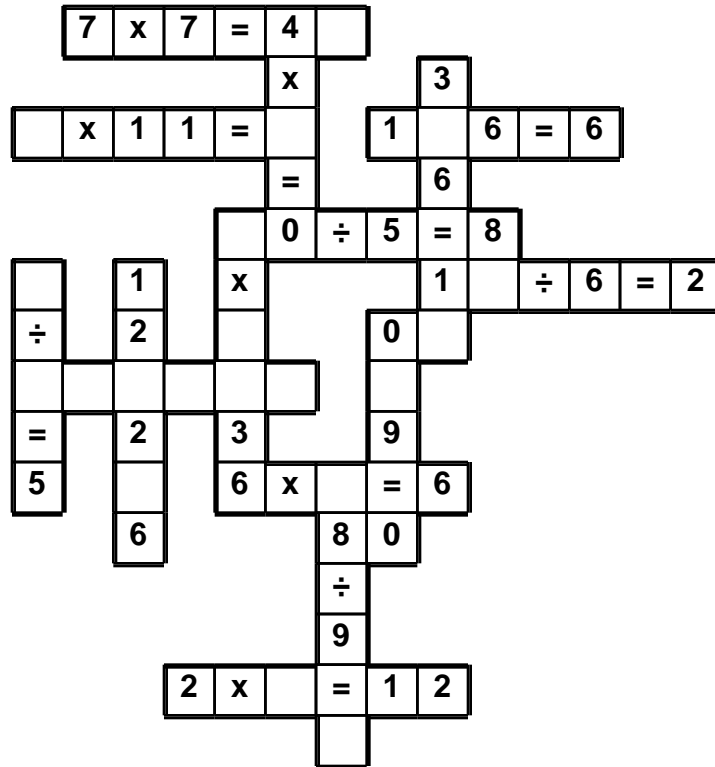
Which is the better buy?
Four bags of candy for $8 or
nine bags of candy for $36?

24 ÷ 6 = _____   5 x 3 = _____

Name: _____

William, Jonathan, Jason, and Kevin each have one brother (Nicholas, Jose, Jacob, and Michael) and one sister (Grace, Alyssa, Sarah, and Mackenzie).

Who is each person's brother and sister?

1. Kevin invited Sarah and Alyssa over to his family's house for dinner.

2. William went to the mall with his sister, but not with his brother. Michael and Nicholas went with William as well.

3. Jonathan played with his brother Nicholas outside.

4. Kevin is younger than his sister Grace.

5. Jacob helped his sister Grace with her homework.

6. Jonathan invited Sarah and Grace over to his family's house for dinner.

7. Nicholas helped his sister Mackenzie with her homework.

8. William is older than his sister Alyssa.

9. Jason played with his brother Michael outside.

10. Jonathan's sister and Sarah were talking on the phone. They are not in the same family.

11. William went to the mall with his sister, but not with his brother. Michael and Jacob went with William as well.

12. Kevin's sister and Mackenzie were talking on the phone. They are not in the same family.

William's brother is _____ and William's sister is _____.

Jonathan's brother is _____ and Jonathan's sister is _____.

Jason's brother is _____ and Jason's sister is _____.

Kevin's brother is _____ and Kevin's sister is _____.

Write the missing family fact.

$207 \div 23 = 9$
$207 \div 9 = 23$
$23 \times 9 = 207$

_____

$4 \div 2 =$ _____

$8 \times 7 =$ _____

word root **opia** can mean **sight**   myopia

Name: _____

April can't wait for her friend to visit.

"As soon as you leave the airport, drive 50 miles to exit 5," says April.

"I don't think you mean miles. They use kilometers here," says Mary.

Help April tell Mary how many kilometers to drive. Use 1 mile = 1.6 kilometers.

Nathan 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 3, less than 15, is a multiple of 3, and

FINALLY is a factor of 60," replies Justin.

Name: _____

Ready to make equations? There is a missing equation in each box.

Circle the numbers once you find it!

A
98	49	88
75	(67)	76
52	56	9

\-

Find a
subtraction fact.

B
13	14	38
43	55	50
31	67	63

\-

Find a
subtraction fact.

C
8	4	11
90	53	76
71	50	72

\-

Find a
subtraction fact.

Equations:

Write the equation facts you found.

A		-		=	67
B		-		=	
C		-		=	

Amanda told Jessica that she multiplied two consecutive whole numbers and the answer is 218. Jessica doesn't believe that is possible. She thinks Jessica must have multiplied wrong. Who is correct?

What number is halfway between 15 and 25?

5 x 6 = _____

6 x 4 = _____

Name: _____

Puzzle:

7	(pot)	(pot)	252
(pumpkin)	7	(pot)	84
(pumpkin)	(pumpkin)	7	28
28	84	252	X

Work Area:

7			252
	7		84
		7	28
28	84	252	X

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

(pumpkin) = _____   (pot) = _____

Puzzle:

(rhino)	(bison)	(rhino)	150
(owl)	(owl)	(bison)	96
(rhino)	(owl)	(owl)	80
100	96	120	X

Work Area:

			150
			96
			80
100	96	120	X

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

(rhino) = _____   (owl) = _____   (bison) = _____

Name: _____

Get a fidget spinner! Spin it.   I needed to spin _____ time(s) to finish.

Round the decimal 0.545 to the nearest hundredth.

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

How many centimeters in 550.5 meters?

Circle the three numbers whose product equals 660.

5   11   3

8   12   8

How many centimeters in 3.7 meters?

What is 50% of 1,730?

0.9 (0.2 (0.9 + 9)) =

$6 \times 6 \times 6 \times 6 = 6^x$

What is the value of x?

What is the greatest common factor of the numbers 96 and 60?

Each side of a regular pentagon is 41.6 centimeters. What is the perimeter?

If x = -8 and d = 17 then what is 10x + 15d - 2d = ?

(14 + 13 + 11 + 6) =

Name: _____

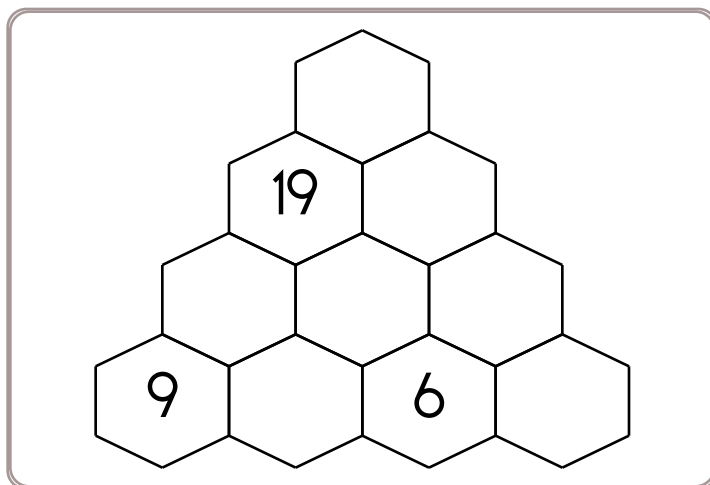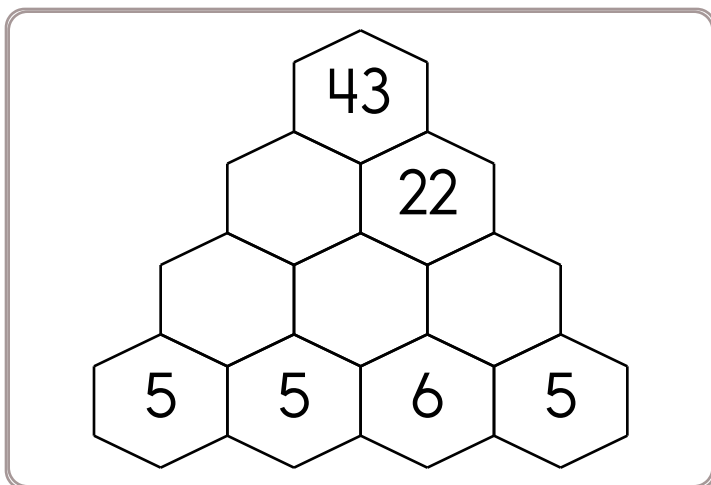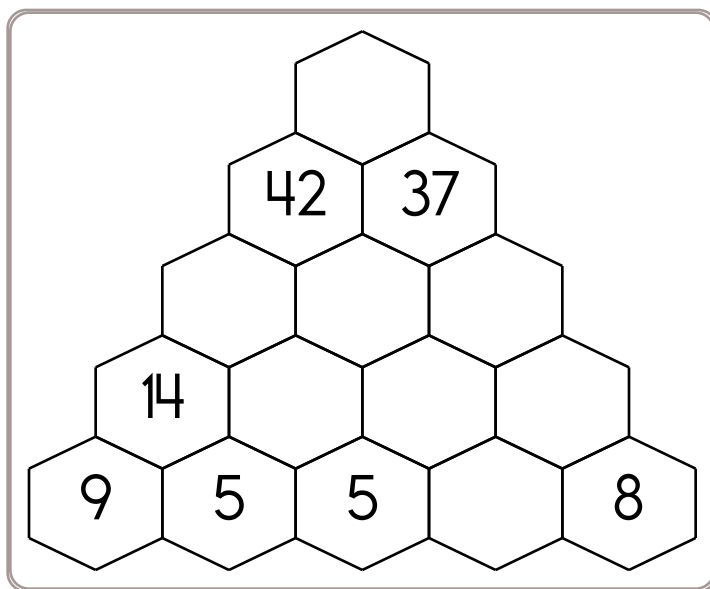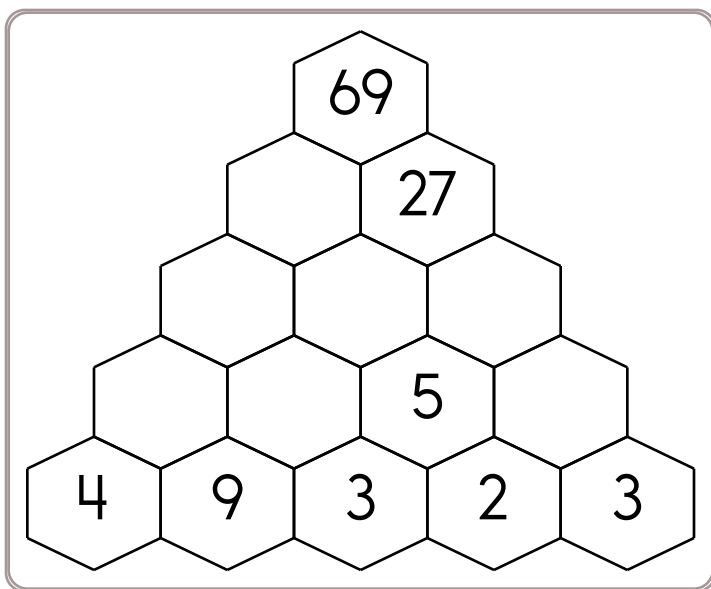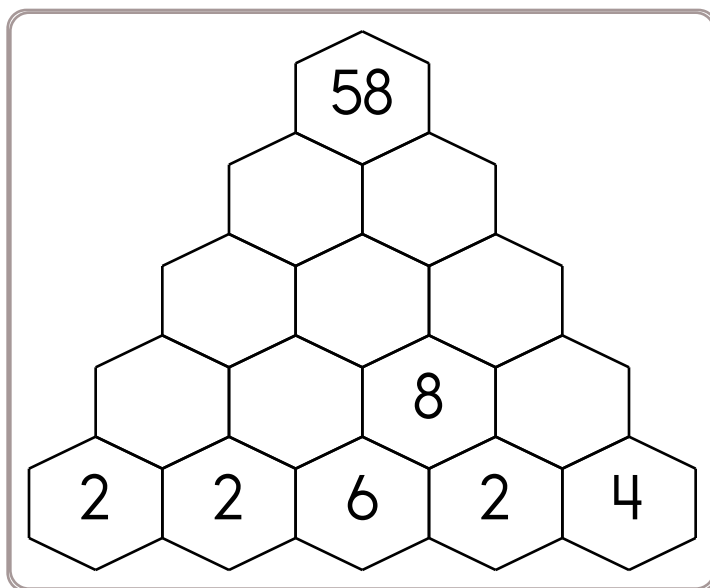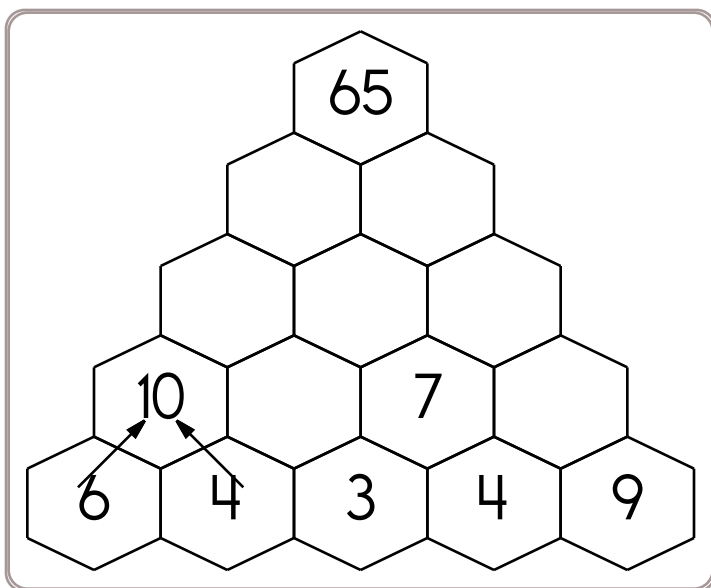|		
14, 21, _____, 35, 42, 49, 56, 63, 70	56 divided by 8 equals	The perimeter of a rectangle is 20 cm. The longer side is 6 cm. How long is the shorter side?
$7\frac{2}{3} + 2\frac{1}{3}$	The diameter of a circle is 842 cm. What is the radius of this circle?	How much time is it from 9:00 a.m. to 11:50 a.m.?
$(343),\ (49),$ _____, $(1),\ \frac{1}{7},\ \frac{1}{49},\ \frac{1}{343},\ \frac{1}{2401},\ \frac{1}{16807}$	$0.10 \cdot 9 =$	$12 + 36 \div 4$
$(10 + 15) + 7 = 2(v + 9)$ What is the value of v?	$86 - p = 34 What is the value of p?	Circle the least amount: 32% 0.46 $\frac{12}{25}$
$|-15| - j = 21$ j =	Simplify. $\frac{8,800}{13,200} =$	$66 \div 6 - 4$

Name: _____

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

65

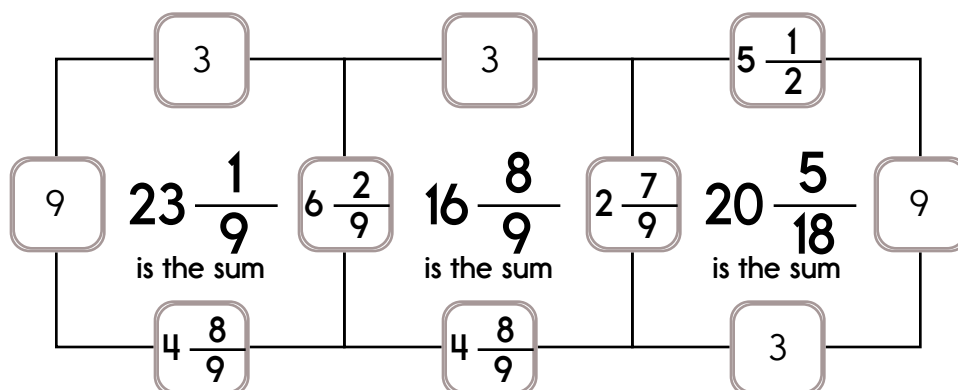10   7

6   4   3   4   9

58

8

2   2   6   2   4

69

27

5

4   9   3   2   3

---

42   37

14

9   5   5   8

43

22

5   5   6   5

19

9   6

Name: _____

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

$9 + 6\frac{2}{9} + 3 + 4\frac{8}{9}$ $2\frac{7}{9} + 9 + 5\frac{1}{2} + 3$

Sample:

	3		3		$5\frac{1}{2}$	
9	$23\frac{1}{9}$ is the sum	$6\frac{2}{9}$	$16\frac{8}{9}$ is the sum	$2\frac{7}{9}$	$20\frac{5}{18}$ is the sum	9
	$4\frac{8}{9}$		$4\frac{8}{9}$		3	

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: $6\frac{2}{9}$, $5\frac{1}{2}$, or $1\frac{1}{6}$.

The other three numbers have to all be DIFFERENT and must be from these: $4\frac{8}{9}$, 9, $2\frac{7}{9}$, or 3.

	9		3		$1\frac{1}{6}$		☐	
$2\frac{7}{9}$	$15\frac{17}{18}$	$1\frac{1}{6}$	$11\frac{5}{6}$	☐	$11\frac{5}{6}$	☐	$16\frac{1}{6}$	☐
	3		☐		☐		☐	
☐	$22\frac{7}{18}$	☐	$22\frac{1}{6}$	☐	☐	☐	$22\frac{8}{9}$	$4\frac{8}{9}$
	$4\frac{8}{9}$		$4\frac{8}{9}$		☐		9	
☐	$23\frac{1}{9}$	☐	$22\frac{7}{18}$	☐	☐	☐	☐	☐
	☐		☐		☐		☐	

Name: _____

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.
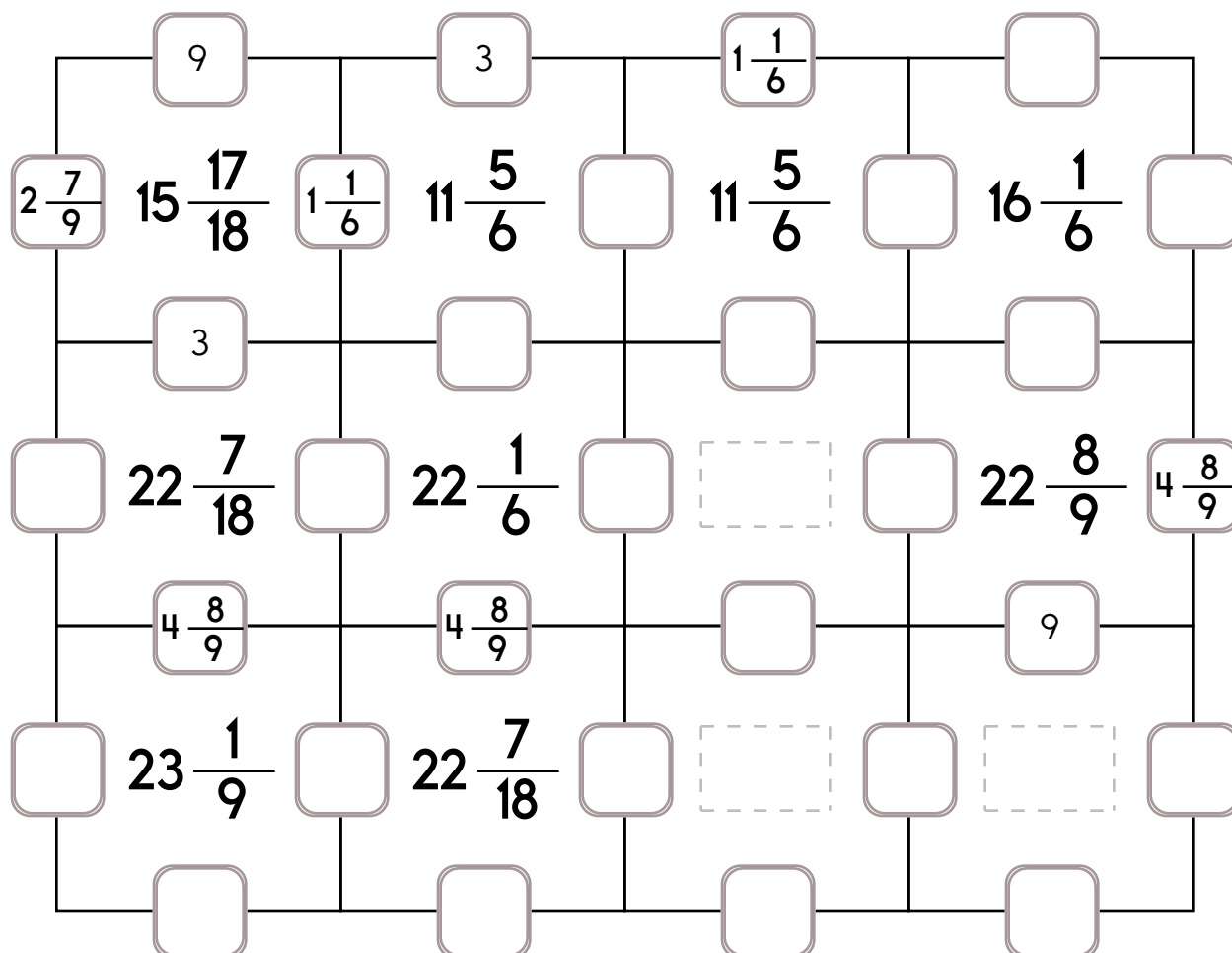
Exactly one of the four numbers has to be one of these numbers: $\frac{1}{2}$, $3\frac{1}{8}$, or $8\frac{2}{3}$.

The other three numbers have to all be DIFFERENT and must be from these: 3, $7\frac{1}{2}$, 6, or $9\frac{1}{2}$.
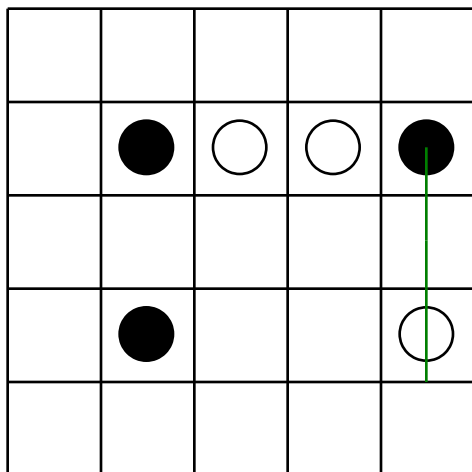
Name: _____
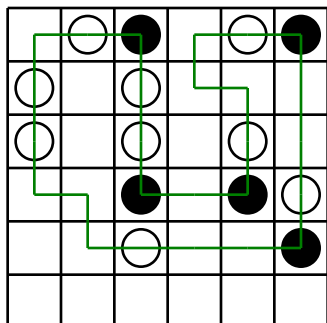
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
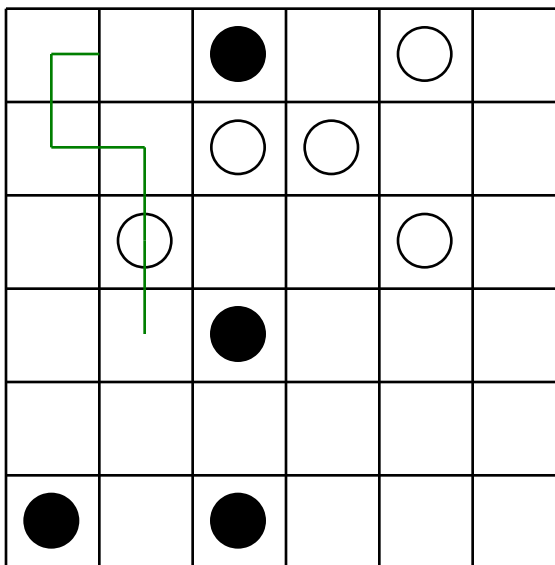You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line: Finish the line:

Circle the greatest number:

6,217,945,830   368,407

3,802   46,971,451,952

$96 \div 8 =$

$3 \times 12 =$ _____

Hannah is younger than Mary. Anne is younger than Hannah. Who's the oldest?

$30 \div 3 =$

$11 \times 10 =$ _____

$5 \times 8 =$ _____

Circle the smallest number:

789,162,317

1,496,520

87,352,703,418

96,405

$30 \div 3 =$ _____

$24 \div 4 =$ _____

word root **tetra** can mean **four**   tetrahedron, tetrameter