5	-2		+1		+3		-1		-3	
3										-2
+1										
										+2
+1										
										+1
-3										
										-2
+2										
										+3
+2										
										-1
-3										4
	-1		-1		+2		-1		+3	-3

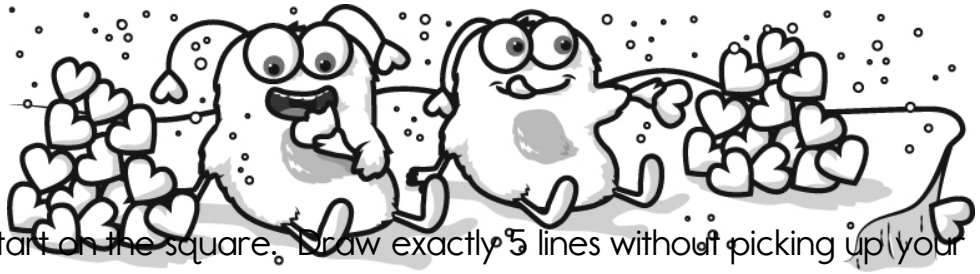
Name: _____

Pick 28 to do: **Skip 2 pages.**

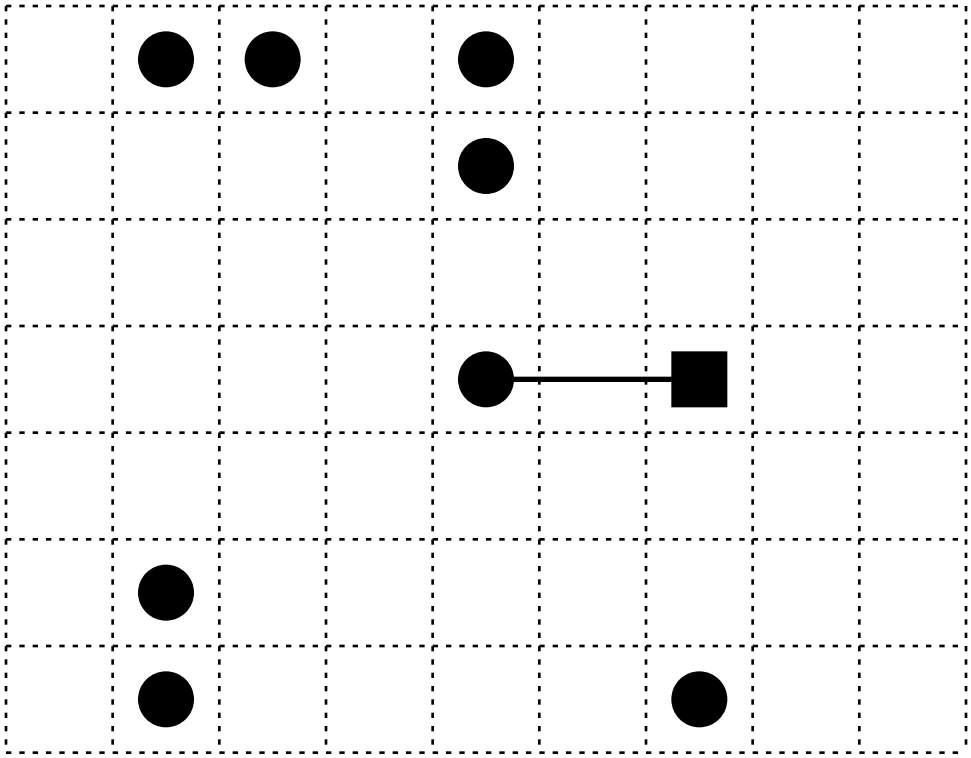
☐ page 1	☐ page 8	☐ page 15	☐ page 22	☐ page 29
☐ page 2	☐ page 9	☐ page 16	☐ page 23	☐ page 30
☐ page 3	☐ page 10	☐ page 17	☐ page 24	
☐ page 4	☐ page 11	☐ page 18	☐ page 25	
☐ page 5	☐ page 12	☐ page 19	☐ page 26	
☐ page 6	☐ page 13	☐ page 20	☐ page 27	
☐ page 7	☐ page 14	☐ page 21	☐ page 28	

Challenge Math

Book 25



Start on the square. Draw exactly 5 lines without picking up your pencil to connect all the circles.



Name: _____

Find 2 equations hidden in each box. Good luck!

3

6 - 0

6

2

4 - 1

1

Write 2 equations: _____ _____

8 + 9

4

1 + 3

9 + 7

10

8 + 2

9 + 6

8

Write 2 equations: _____ _____

3 + 6

4 + 6

2 + 4

6

9 + 3

9

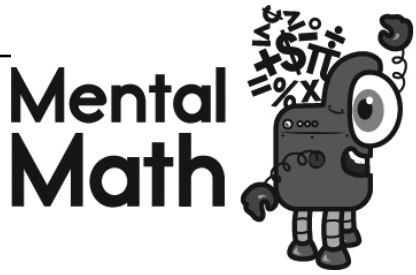
Write 2 equations: _____ _____

☐ I did page 2 ☐ I decided to skip this page

edHelper

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?



imagine 9 in your head double it Write the number. ____ ____ A B	imagine 7 in your head add 9 add 5 Write the number. ____ ____ C D	imagine 7 in your head subtract 5 add 3 Write the number. ____ E	imagine 8 in your head double it subtract 2 Write the number. ____ ____ F G

What is the sum?

A + B + C + D + E + F + G

____ ____

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

____ ____ **e** **n** ____ ____ **-** ____ **w** ____

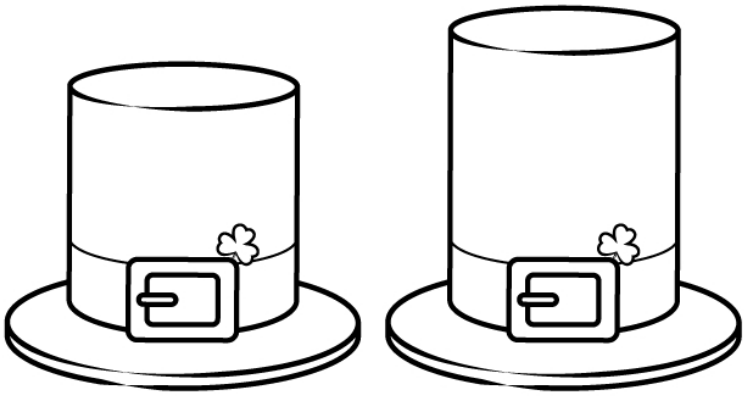
8 after 12 _____	1 before 13 _____	3 after 18 _____
5 after 14 _____	5 before 11 _____	9 after 16 _____
2 after 13 _____	7 before 16 _____	7 after 11 _____
1 after 19 _____	9 before 14 _____	6 after 15 _____

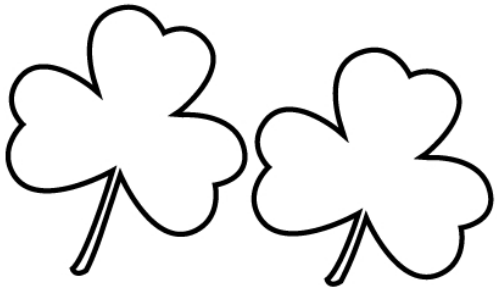
Name: _____

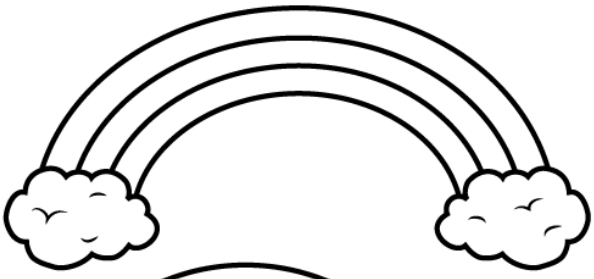
Comparing

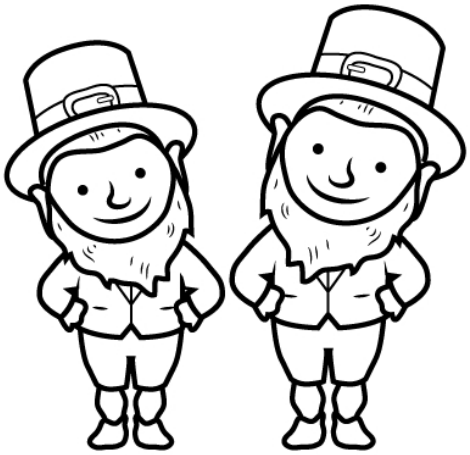
Color each pair of objects with the correct colors:

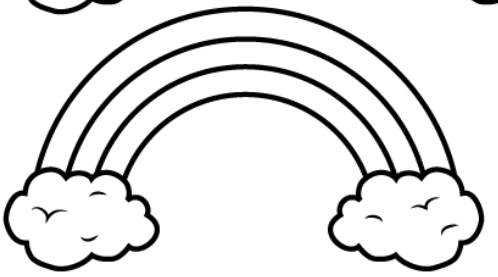
shorter - green taller/longer - blue

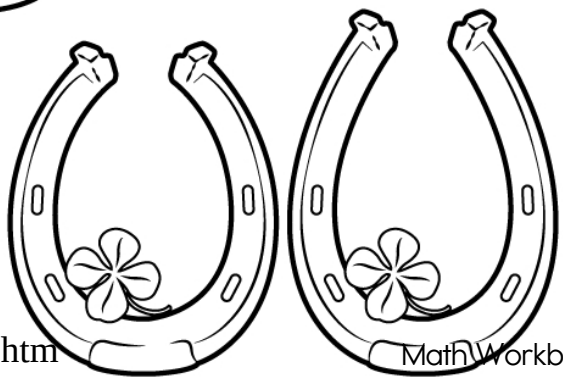












Name: _____

FUN BREAK!

Play a game online!

edHelper.com/math-games.htm

I PLAYED ONE GAME

☐ (Check the box after you play.)

MY SCORE

_____

24 - ___ = 21

Circle the third letter.

Z, D, 2, 5, F, 6, 4, B, R, 8, A, 9, 7, X, 6, F, 7

$$\begin{array}{r} 8 \\ -\ 4 \\ \hline \end{array}$$

15, 17, 19, 21, 23, _____, 27

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

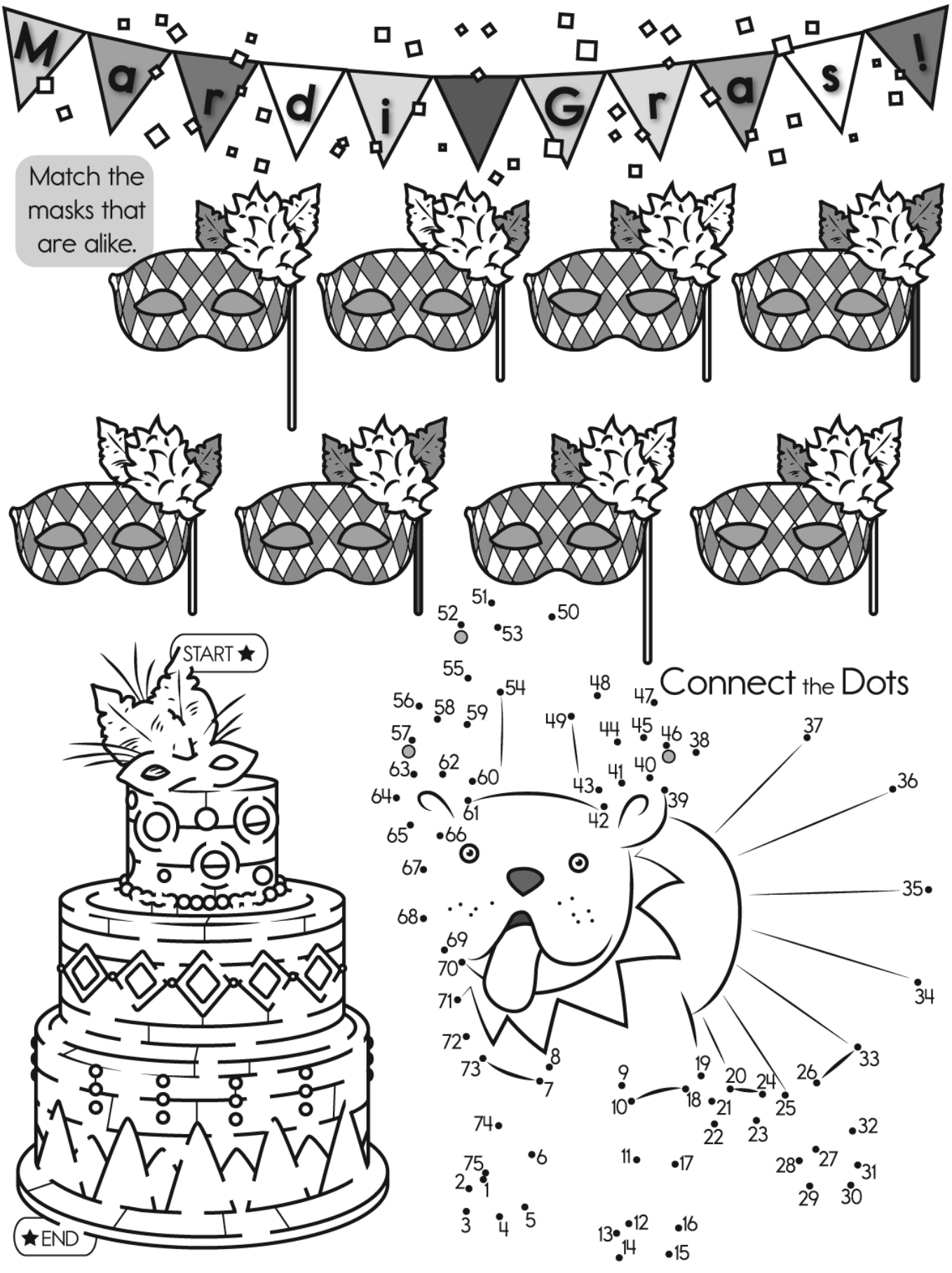
Circle the third number.

A, R, 1, D, 5, 8, F, 5, 6, 8, X, Z, 1, B, 5, B, Z, 6

Write the missing sign.

8 ___ 4 = 4

Name: _____


Mardi Gras!
Match the masks that are alike.
START
END
Connect the Dots

Name: _____

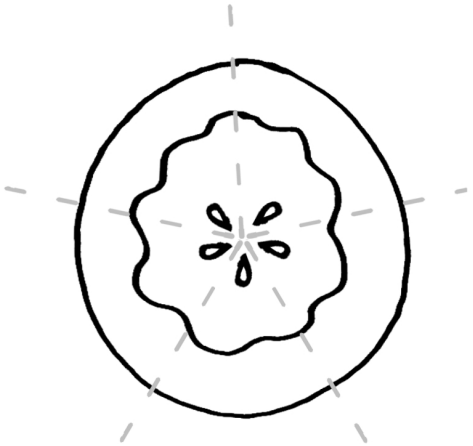
A walrus can weigh 1,013 pounds. That's heavy!
Billy loves animals. "I can top that. A narwal can weigh 1,250 pounds. Narwals are the best."
"Oh," says Pam. "A yak can weigh 667 pounds, and a moose can weigh 386 pounds!"
Which of these animals weighs the most?

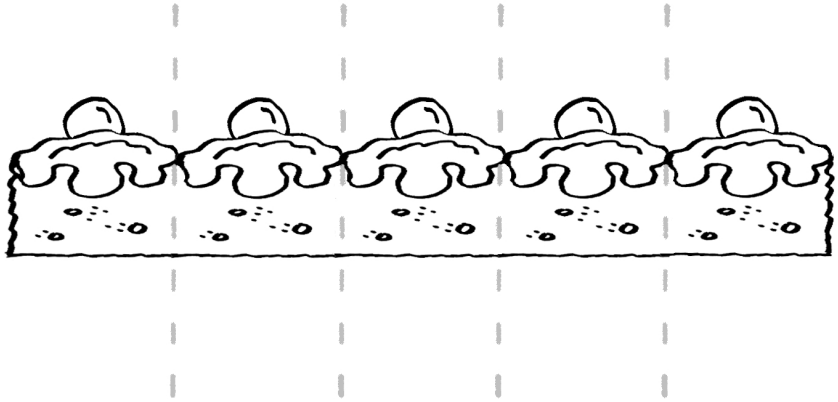
A white rhino is 6 feet tall.
An African bush elephant can be 11 feet tall.
How much taller is the elephant?

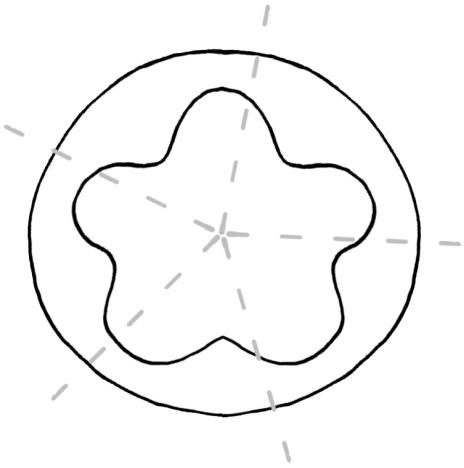
Name: _____

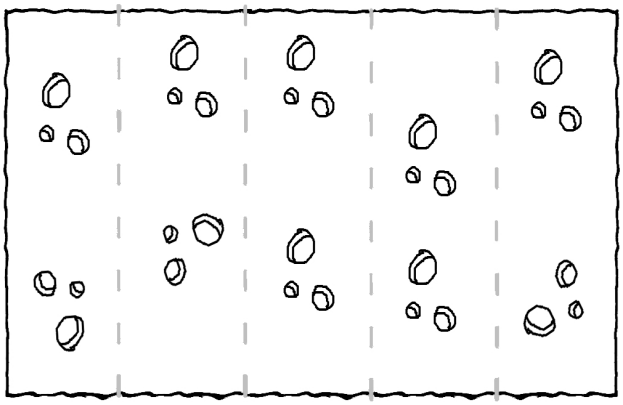
Fraction Foods

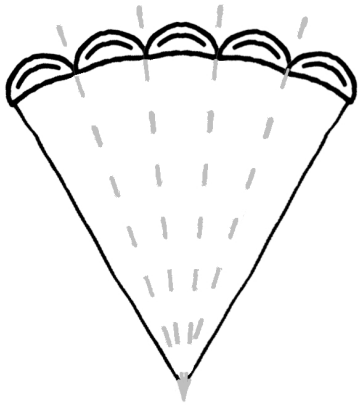
Trace over the lines to divide each food into fifths. Each part is $\frac{1}{5}$.

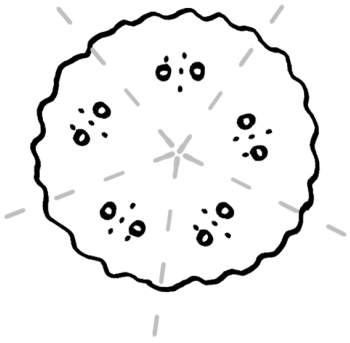












Name: _____

Dee has 6 games. Mike has 11 games. How many games do they have in all?

Kayla picked some flowers for her mother. She picked 8 yellow flowers. She picked 2 red flowers. She picked 6 blue flowers. She picked 3 pink flowers. How many flowers did she pick in all?

There are five brown dogs, three white dogs, and seven black dogs being adopted today. How many dogs are being adopted in all?

There are many plants in Jessica's house. There are two plants in Jessica's room. There is one plant in the kitchen. There are three plants in the living room. How many plants are there in Jessica's house?

What is the difference for 15 - 3?

○ 12 ○ 8 ○ 9

○ 10

7 + 7	ten	five	10 - 3	6 + 4	nine

Circle the word for the picture.

cover balls draw

paint judge stamp

Count by 5s.

33 38 ____

8 + 7 = ☐

Name: _____

Five lizards were eating flies. Two went to sleep. How many lizards were still eating flies?	Erin had seven pumpkins. She gave four of them away. How many pumpkins does she have left?	Amy had 7 red balloons. There were white stars on them. Six balloons floated away. How many were left?

Fill in the numbers.

14	15		17	18	19
24	25	26	27	28	29
34	35	36			

		33	
41			
51		53	54

Which shows a way to take apart 6?

- ⬭ 6 + 6 = 12
- ⬭ 6 - 4 = 2
- ⬭ 8 + 8 = 16

Which has the same sum as 2 + 3?

- ⬭ 2 + 2 + 1
- ⬭ 1 + 3 + 3
- ⬭ 2 + 2 + 2

10 - 3 = _____

⬭ 8 ⬭ 9 ⬭ 7 ⬭ 1

⬭ 3 ⬭ 6

word root **ab** can mean **away or from** **abbreviate, abduct, abduction**

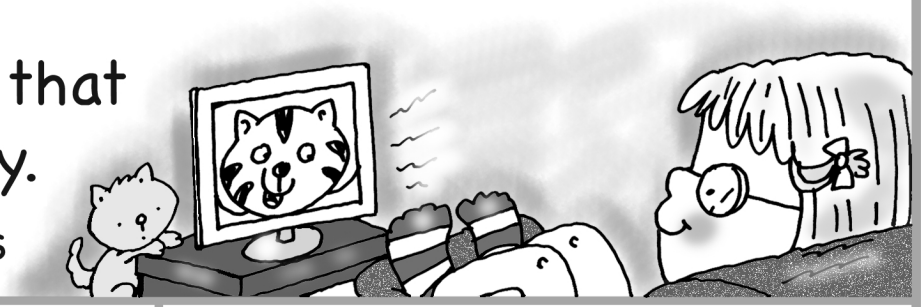
Name: _____

Circle the correct word.

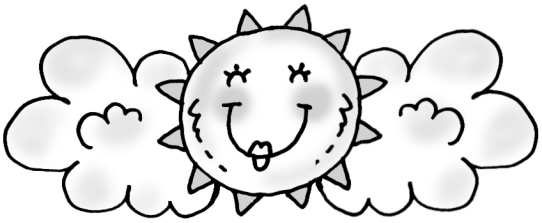
I am _____ it now. watched watching

I _____ that before. watches watched

She _____ that show every day.
watching watches



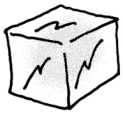
Fill in the season.



In _____ the sun sets earliest.

In _____ the sun sets latest.

Match each form of matter to its picture.

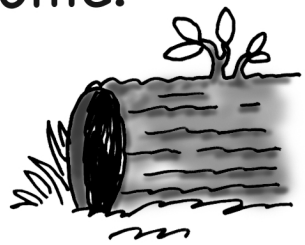


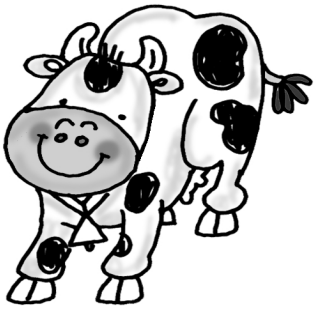
gas

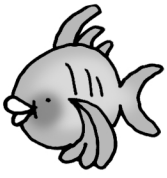
solid

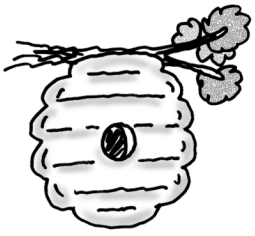
liquid

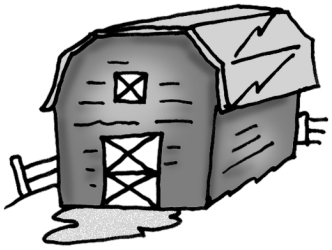
Connect each critter to its home.







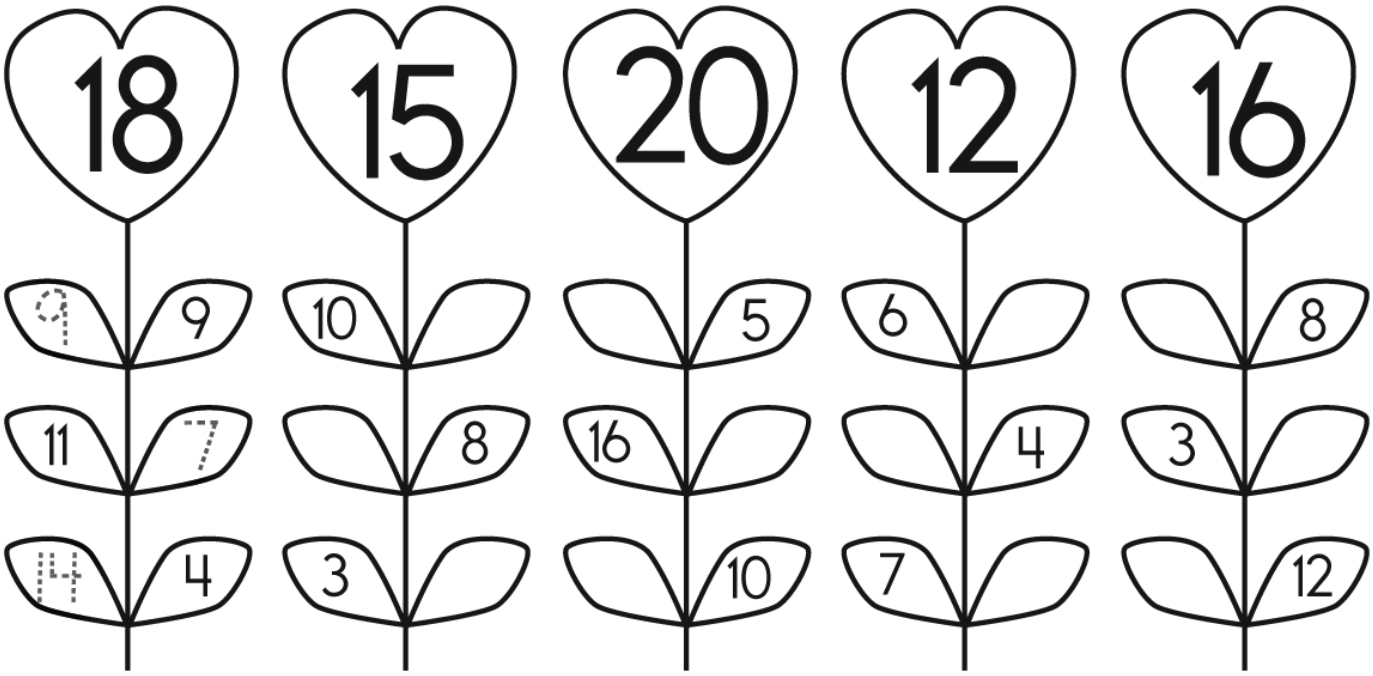


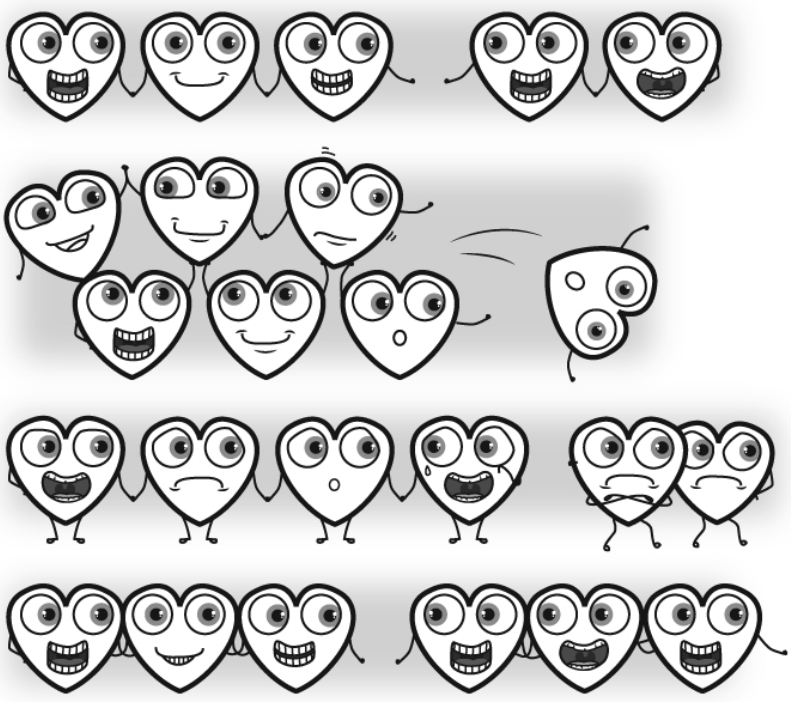


Name: _____

NUMBER BONDS

Fill in the missing numbers.





Match each picture to an equation, then solve it!

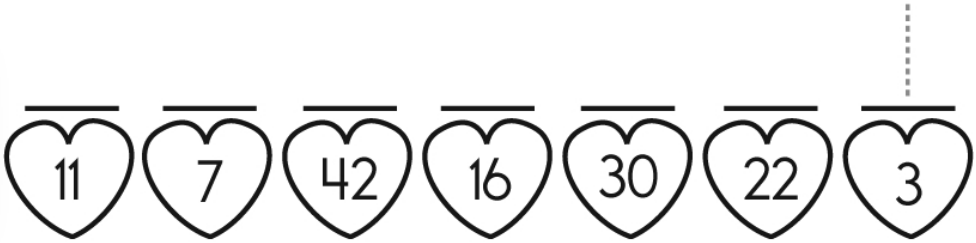
6-2= ☐

3+3= ☐

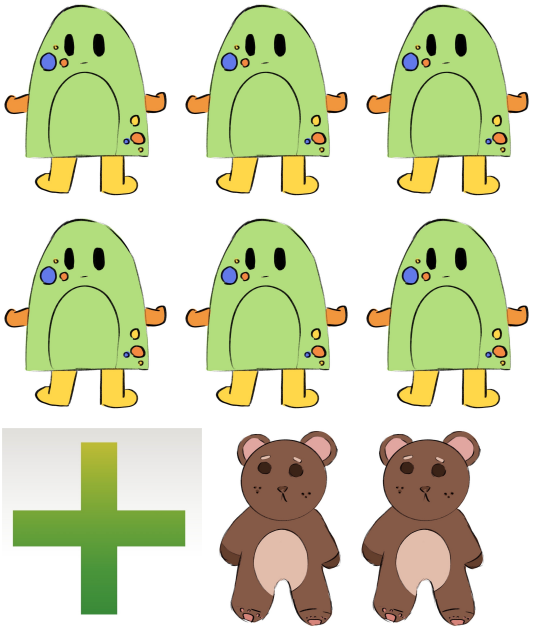
7-1= ☐

3+2= ☐

Put the Hearts in Order 1-7



Name: _____



2 6 4 8

Skill: Addition

How many?

0 (zero) 5 (five) 1 (one) 3 (three)

Skill: Numbers to 5

Color two-thirds of the figure.

Skill: Fractions

2 , 5 , ? , 11

7 8 11 6

Skill: Addition and Subtraction

Which is the least number?

318 526 422 327

Skill: Numbers to 1,000

Pick two numbers that make 6.

7 4 2 8

Skill: Addition

Name: _____

Name _____

Winter Wear

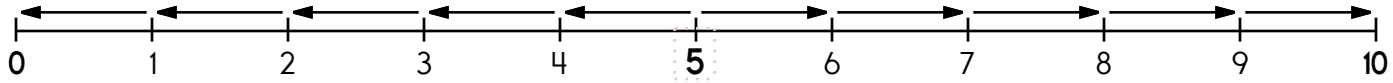
COLOR BY ADDITION

98=YELLOW **165**=GREEN

56=ORANGE **100**=BLUE

172=RED **37**=WHITE

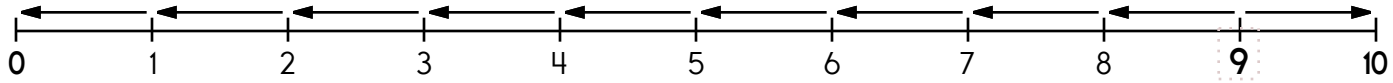
Name: _____



5 is 5 spots away from 0. 5 - _____ = 0

5 is 5 spots away from 10. 5 + _____ = 10

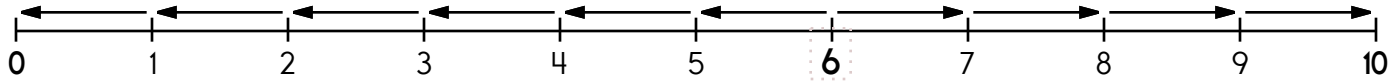
5 is closer to 0 or 10



9 is _____ spots away from 0. 9 - _____ = 0

9 is _____ spot away from 10. 9 + _____ = 10

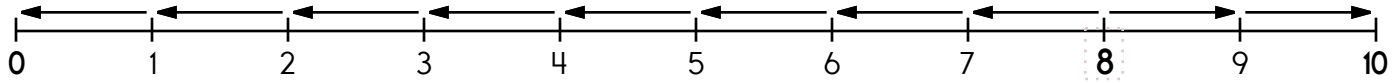
9 is closer to 0 or 10



6 is _____ spots away from 0. 6 - _____ = 0

6 is _____ spots away from 10. 6 + _____ = 10

6 is closer to 0 or 10

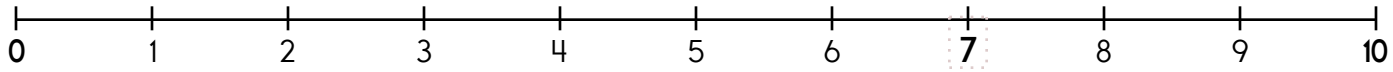


8 is _____ spots away from 0. 8 - _____ = 0

8 is _____ spots away from 10. 8 + _____ = 10

8 is closer to 0 or 10

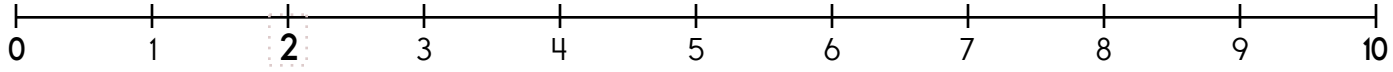
Name: _____



7 is 7 spots away from 0. 7 - _____ = 0

7 is 3 spots away from 10. 7 + _____ = 10

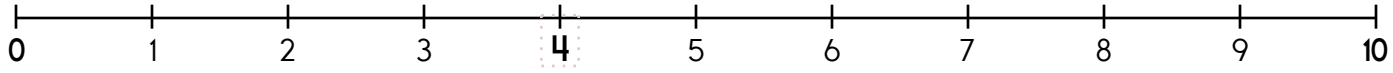
Is 7 closer to 0 or 10? 7 is closer to _____



2 is _____ spots away from 0. 2 - _____ = 0

2 is _____ spots away from 10. 2 + _____ = 10

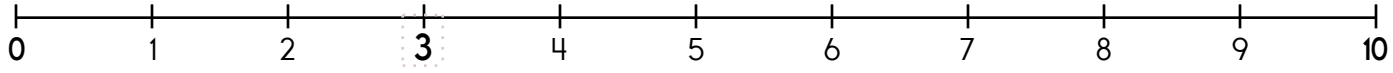
Is 2 closer to 0 or 10? 2 is closer to _____



4 is _____ spots away from 0. 4 - _____ = 0

4 is _____ spots away from 10. 4 + _____ = 10

Is 4 closer to 0 or 10? 4 is closer to _____



3 is _____ spots away from 0. 3 - _____ = 0

3 is _____ spots away from 10. 3 + _____ = 10

Is 3 closer to 0 or 10? 3 is closer to _____

Name: _____

Round to the nearest ten.
30 to 34 rounds down to 30. 35 to 40 rounds up to 40.

34 → 30	36 → _____	33 → _____
32 → _____	39 → _____	40 → _____
38 → _____	37 → _____	39 → _____

Round to the nearest ten.
50 to 54 rounds down to 50. 55 to 60 rounds up to 60.

57 → 60	58 → _____	60 → _____
52 → _____	59 → _____	50 → _____
55 → _____	51 → _____	56 → _____

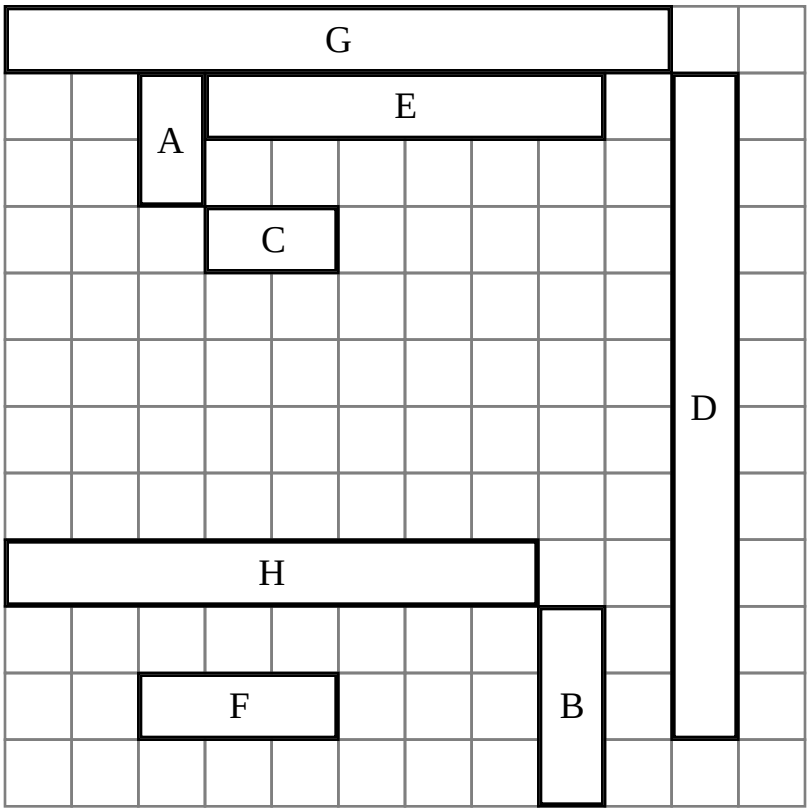
Round to the nearest ten.
20 to 24 rounds down to 20. 25 to 30 rounds up to 30.

29 → 30	24 → _____	30 → _____
23 → _____	28 → _____	26 → _____
27 → _____	25 → _____	20 → _____

Round to the nearest ten.
90 to 94 rounds down to 90. 95 to 100 rounds up to 100.

93 → 90	96 → _____	97 → _____
90 → _____	99 → _____	98 → _____
100 → _____	92 → _____	97 → _____

Name: _____



Rectangle C is _____ units long.

Rectangle A is same length as rectangle _____

Rectangle B is shorter than rectangle _____

Rectangle H is _____ units long.

Rectangle F is shorter than rectangle _____

Rectangle D is same length as rectangle _____

Rectangle G is _____ units long.

Rectangle G is larger than rectangle _____

Rectangle B is _____ units long.

Rectangle E is shorter than rectangle _____

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.

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

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

1 2 3 4

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

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

4 1 2 3

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

Hint - These numbers are missing:

1 1 1 1 3

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

Hint - These numbers are missing:

2 1 3 1 2 1

2 + 3 =	5 + 6 =	8 + 6 =	7 + 7 =	3 + 4 =	3 + 9 =

Name: _____

Fill in the missing numbers.

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

Hint - These numbers are missing:

2 1 3 1 1 4

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

Hint - These numbers are missing:

1 2 2 3 2 2

4			1
2		2	
4	1		1
	2	3	2

Hint - These numbers are missing:

3 4 3 4 3 1

	3		3
2	4	2	
	1		1
2		2	4

Hint - These numbers are missing:

4 4 3 3 1 1

How much is this?

15 + ___ = 25

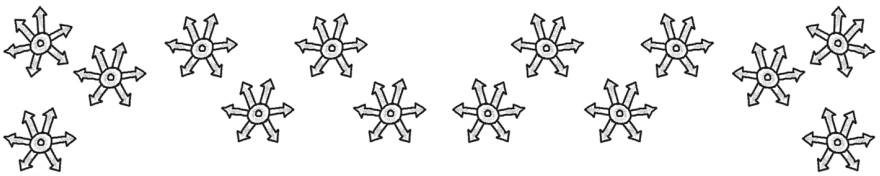
What is ten less than 66?

word root **in** can mean **into or in** **incredulous, inscribe, invisible**

Name: _____

How many snowflakes do you think are here? _____

Count them. How many? _____



How many more or less did you guess? _____

Count forward.

98 ___ ___

101 102 ___

104 ___ ___

___ 108 109

Write in the greater than or less than sign.

8 ___ 5 + 4

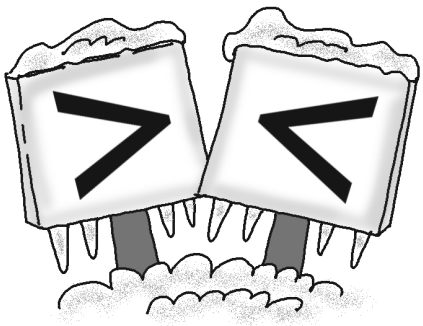
6 + 0 ___ 10

4 ___ 2 + 1

3 + 5 ___ 6 + 1

19 ___ 20

16 ___ 14



Complete these "double up" problems.

6 + 6 = ___

4 + 4 = ___

9 + 9 = ___

3 + 3 = ___

Count backward.

76 ___ ___

___ 72 71

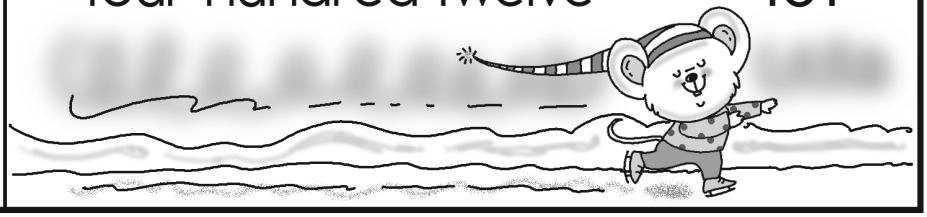
___ 69 ___

67 ___ 65

64 ___ 62

Match the words to their numbers.

one hundred one	852
eight hundred fifty-two	412
four hundred twelve	101



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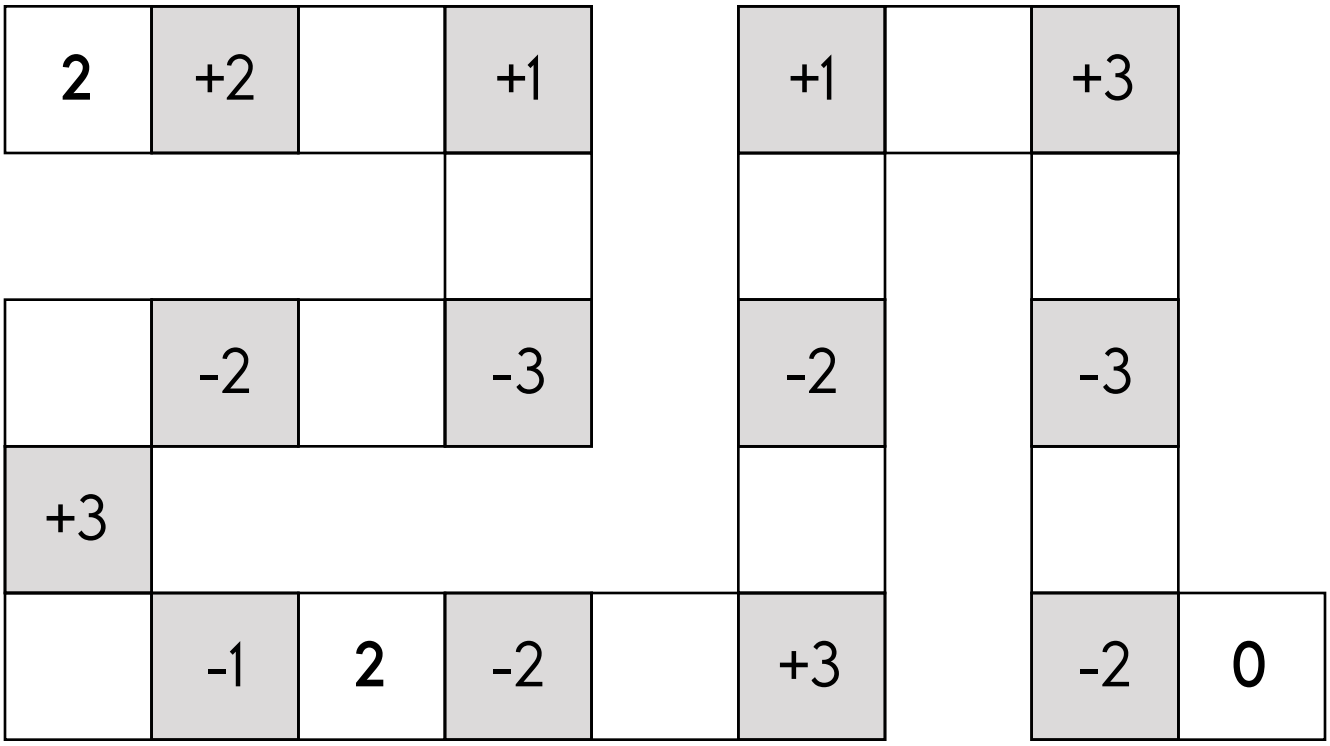
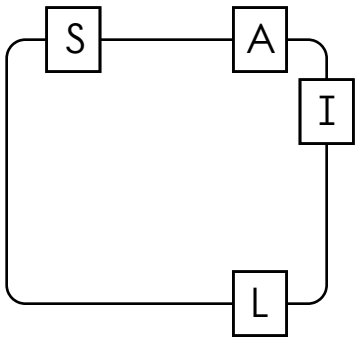
Name: _____



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

Write the hidden word. Start at one letter and then move either left or right. Continue in same direction.



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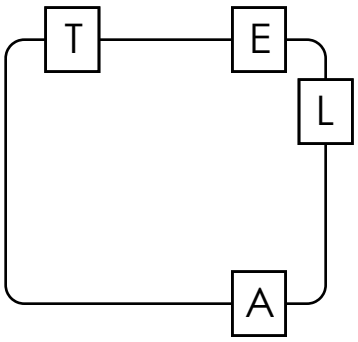

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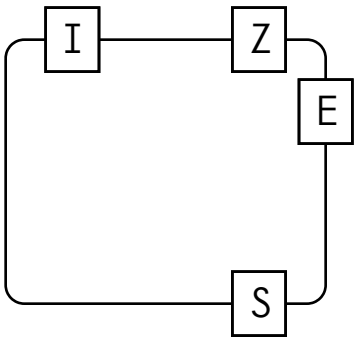


_____

Name: _____

David ate 3 hot dogs. Jason ate 4 hot dogs. How many hot dogs did they eat in all?

Gavin had eight candy bars. He gave four candy bars away to his friends. How many candy bars did Gavin keep for himself?

Ava bought four yellow folders. Her mother gave her seven more folders. How many folders does she have now?

Adam ate three pieces of cake. David ate six pieces of cake. David was very sick! How many pieces of cake did they eat in all?

Peter, Connor, and Hunter went to the zoo. Peter saw five penguins. Connor saw eight penguins. Hunter saw four penguins. How many penguins did they see in all?

Sarah went fishing. She caught 3 big fish. She caught an old shoe. She caught 2 little fish. She caught 3 more big fish. How many fish did she catch in all?

Name: _____

Amanda does not like green peas. She ate 2 peas. She hid 8 peas under her plate. She ate 4 more peas. She hid 8 more peas. How many peas did she eat in all?

Alex is ready to go back to school. He had 4 yellow pencils. His mother gave him 2 red pencils and 4 blue pencils. How many pencils did he have in all?

Jessica has ten bathing suits. Only two of them are red. How many are not red?

Miss Glenn has 7 girls and 13 boys in her class. How many students does she have in all?

Mark is Kayla's brother. Mark is 17. Kayla is 10 years younger than Mark. How old is Kayla?

Poppy picked up 15 bags of trash. Her parents picked up 24 bags of trash. How many bags of trash did they pick up in all?

Write <, >, or =.

21 ◯ 21 11 ◯ 88 26 ◯ 42

word root **cor** can mean **with or together** **corrupt, corruption**

Name: _____

Cross off the number that does NOT belong.

7, 6, 7, 7, 6, 7, 7, 6, 7, 7, 6, 7, 7

Why does _____ not belong in the pattern?

Cross off the letter that does NOT belong.

A, E, I, K, M, Q, U, Y

Why does _____ not belong in the pattern?

Name: _____

Cross off the number that does NOT belong.

8, 10, 12, 14, 16, 18, 19, 20, 22

Why does _____ not belong in the pattern?

Cross off the letter that does NOT belong.

B, F, J, N, R, V, X, Z

Why does _____ not belong in the pattern?

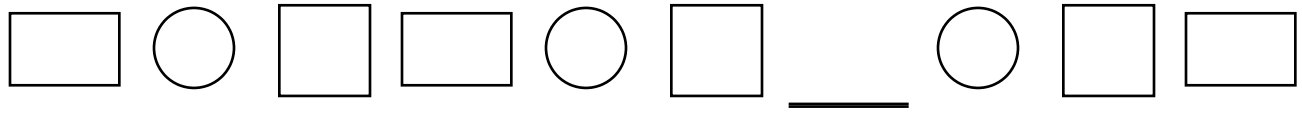
Name: _____

Draw the missing spots in the patterns.
Show the pattern by putting the same letter under each shape or number.

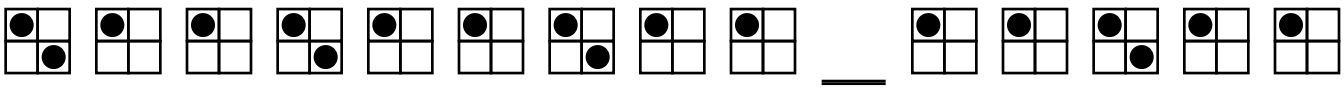
7 7 1 7 7 1 7 7 1 7 7 1 _

A A B A A B A A B A A B A

8 5 8 8 5 8 8 _ 8 8 5 8 8



1 4 0 1 1 4 0 1 1 4 _ 1 1



9 2 1 9 2 1 9 2 _ 9 2 1 9

Name: _____

Draw the missing spots in the patterns.

9 6 9 9 6 9 9 6 9 9 6 _ 9

8 4 6 9 8 4 6 9 _ 4 6 9 8

3 4 7 3 4 7 3 _ 7 3 4 7 3

Draw your own patterns.

1 7 3 2 1 7 3 2 1 7 3 2 1

ABCD pattern

Draw an ABBC pattern.

Draw an ABC pattern.

Draw an ABB pattern.

Draw an ABCC pattern.

I drew an _____ pattern.

☐ I did page 28 ☐ I decided to skip this page

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Name: _____

Get a fidget spinner! Spin it.

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

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

☐ I did page 29 ☐ I decided to skip this page

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Name: _____

Spin again.

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

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

Name: _____

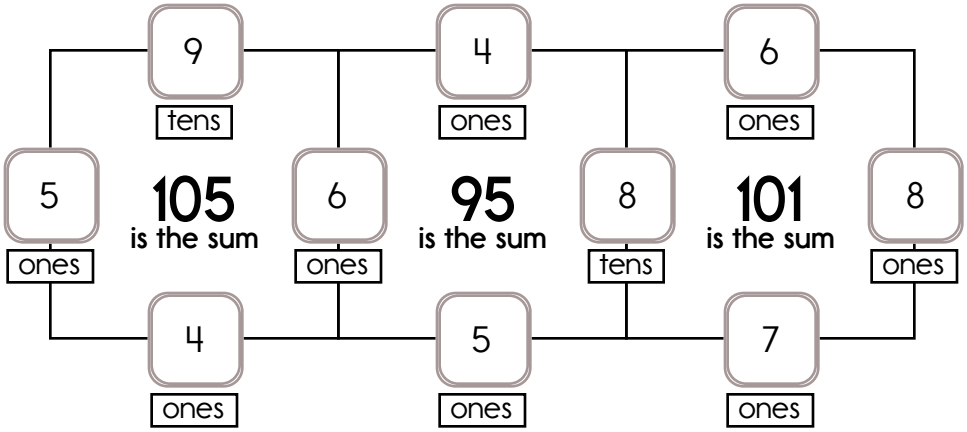
Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Example:

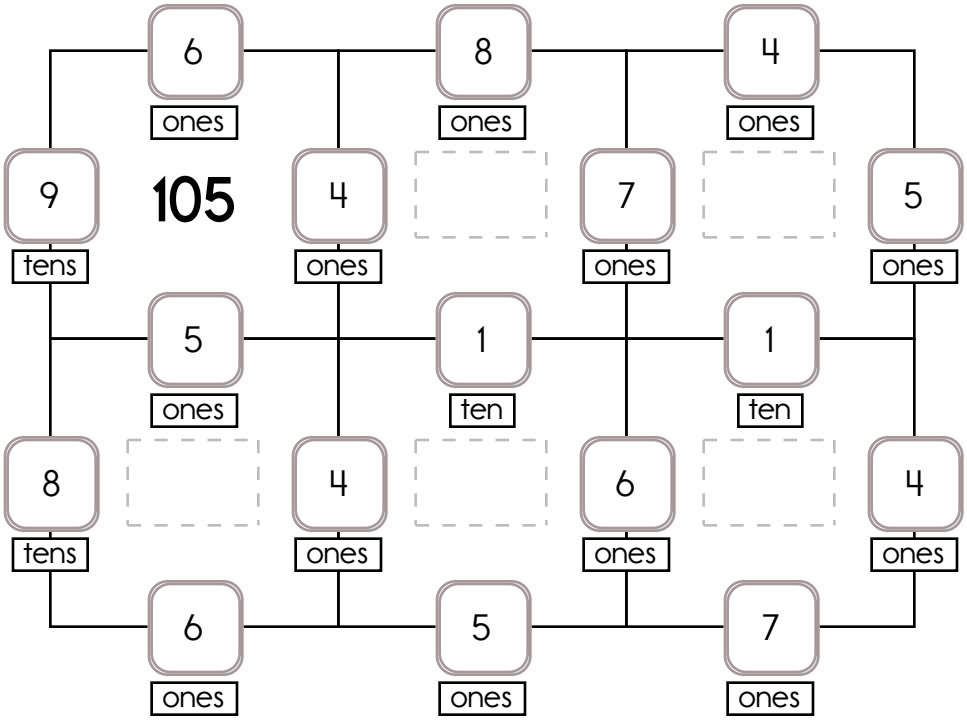
5 + 6 + 90 + 4 = 105

Example:

80 + 8 + 6 + 7 = 101



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



Double five.

43 + 341 = 384
Using the commutative property of addition, what do you think 341 + 43 is?

How much is this?

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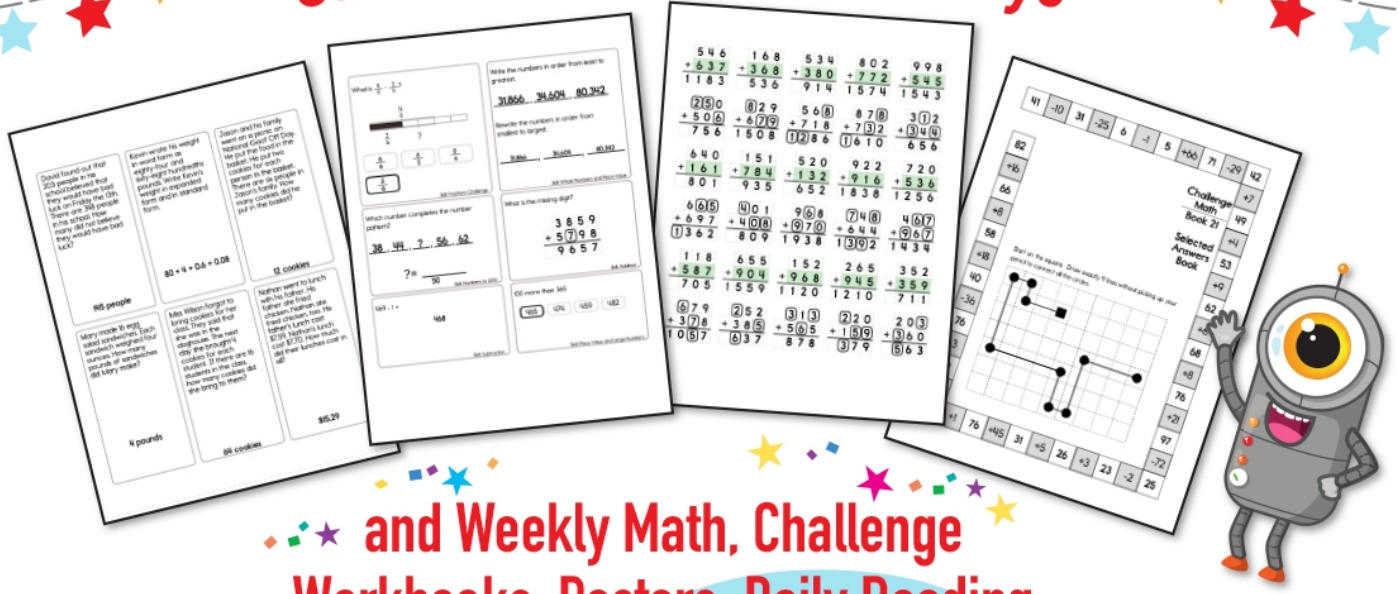

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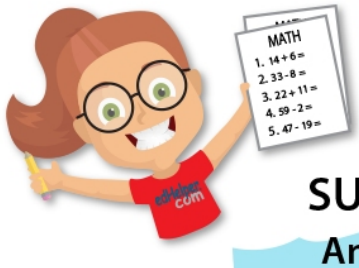

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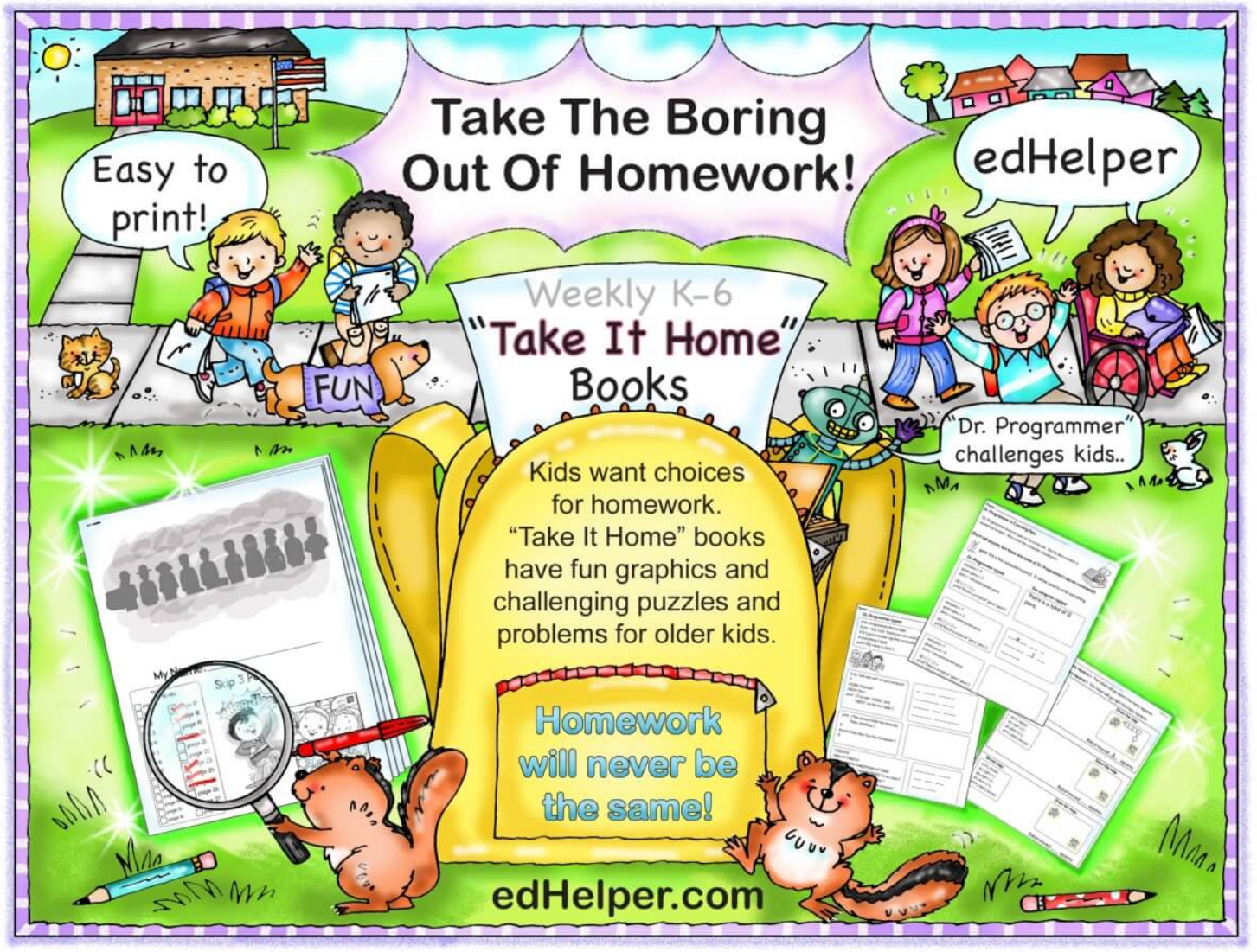
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