5	+12		-4		+1		-3		+5	
1										-8
-8										+4
-7										-11
+16										+32
-9										-1
-5										-7
										25
-2										-2
	+9		+2		-9		-6		-3	

Name: _____

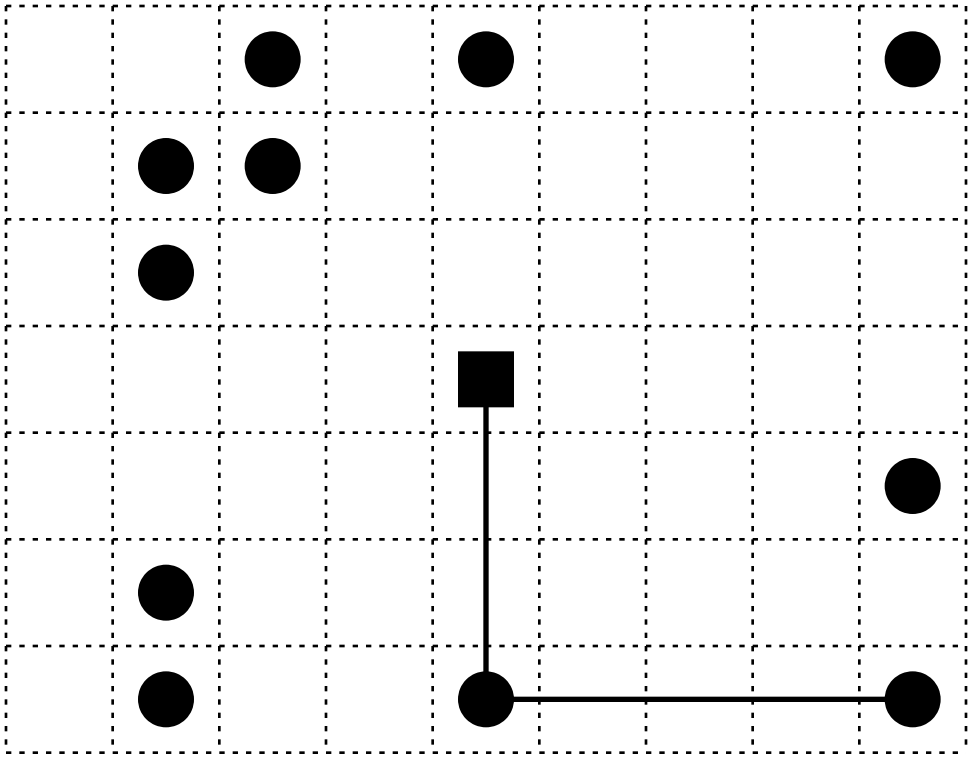
Pick 22 to do: **Skip 2 pages.**

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

Challenge Math

Book 1

Start on the square. Draw exactly 7 lines without picking up your pencil to connect all the circles.

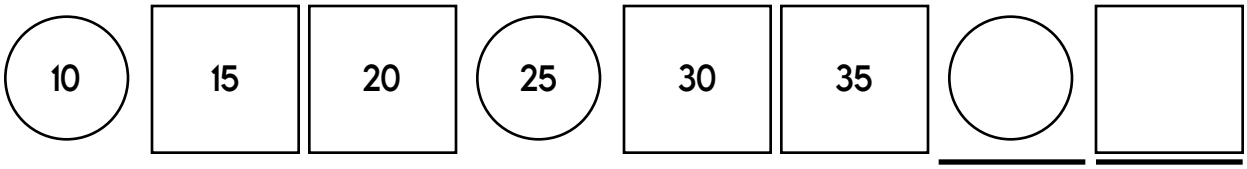


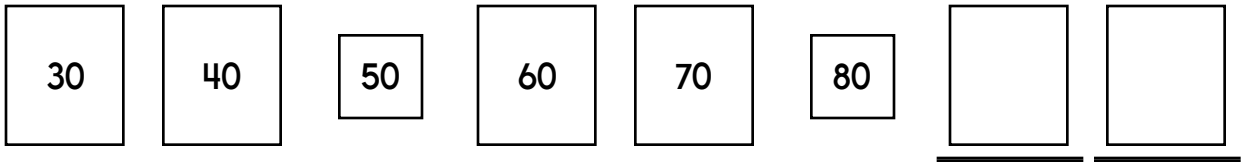
I did page 1 I decided to skip this page

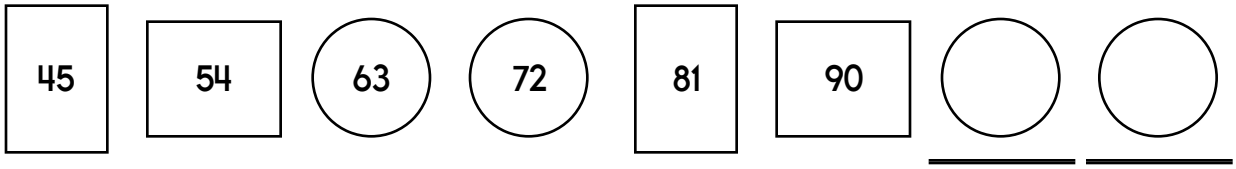
edHelper

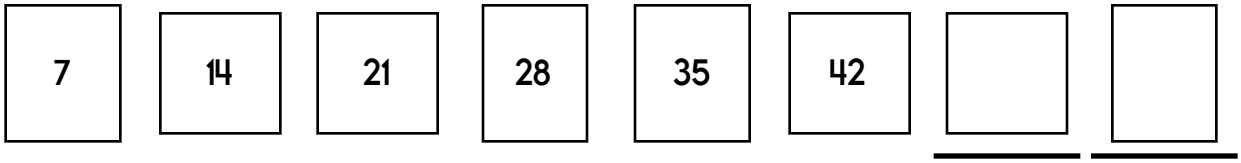
Name: _____

Complete the pattern.

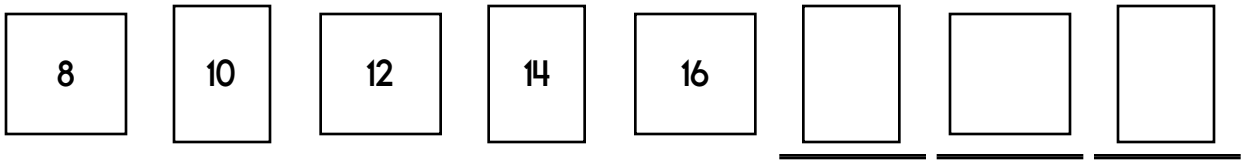


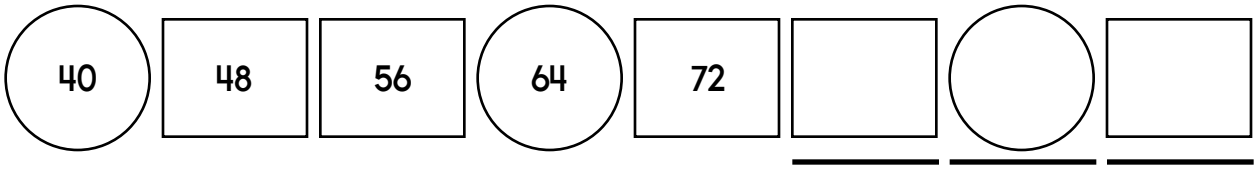


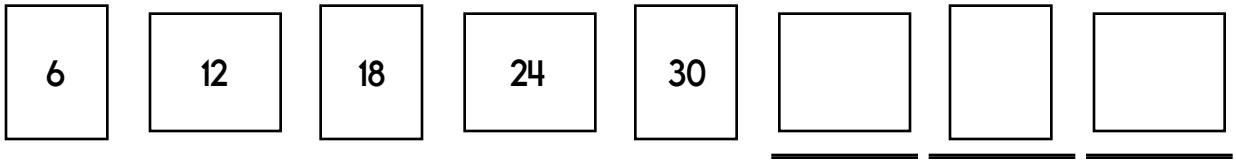




Complete the pattern.







Name: _____

Complete the pattern.

16 20 24 28 32 ___ ___ ___

2 3 4 5 6 ___ ___ ___

9 12 15 18 21 ___ ___ ___

12 16 20 24 28 ___ ___ ___

Complete the pattern.

20 30 40 50 60 ___ ___ ___

25 30 35 40 45 ___ ___ ___

2 4 6 8 10 ___ ___ ___

Name: _____

Sally saw someone selling squishies at the mall. They were so cute! All of the girl squishies had purple ears. All of the boy squishies had red noses.
"Try squeezing them," said the person at the shop. "All of the squishies with purple ears are buy one get one free."
"Oh," said Sally. "So all of the <cough> <cough> are buy one get one free?"
Sally has a cold. What did she mean to say?

Show your work.

Name: _____

Cross off the letter that does NOT belong.

x, T, R, T, x, R, T, x, R, T, x, R, T

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

20, 30, 40, 48, 50, 60, 70, 80, 90

Why does _____ not belong in the pattern?

Name: _____

Cross off the number that does NOT belong.

16, 32, 46, 48, 64, 80, 96

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

50, 55, 60, 65, 70, 75, 80, 85, 90, 93, 95

Why does _____ not belong in the pattern?

Name: _____

Ms. Wilson wrote 10 welcome notes to her students. Mr. Hoke wrote 15 welcome notes to his students.
How many welcome notes were written in all?

How many more welcome notes did Mr. Hoke write than Ms. Wilson?

Pat's family had apple trees on their property. On Monday Pat picked 15 apples. On Tuesday Pat picked 13 apples. On Wednesday Pat picked 11 apples.
On which day did Pat pick the most apples?

For the Labor Day barbecue, Len grilled 15 hamburgers, 5 hot dogs, and 10 pieces of chicken.
How many pieces of chicken and hot dogs did Len grill in all?

Name: _____

FUN BREAK!

Play a game online!

edHelper.com/math-games.htm

I PLAYED ONE GAME

☐ (Check the box after you play.)

MY SCORE

_____

19, 20, ___, ___, ___, 24

Write the numbers.

seven ___

fifteen___

twenty-three___

twenty-three minus seven equals

Write the numbers.

fifty ___

fifty-six___

eighty ___

eighty-five___

14 = __ ten + __ ones

53 = __ tens + __ ones

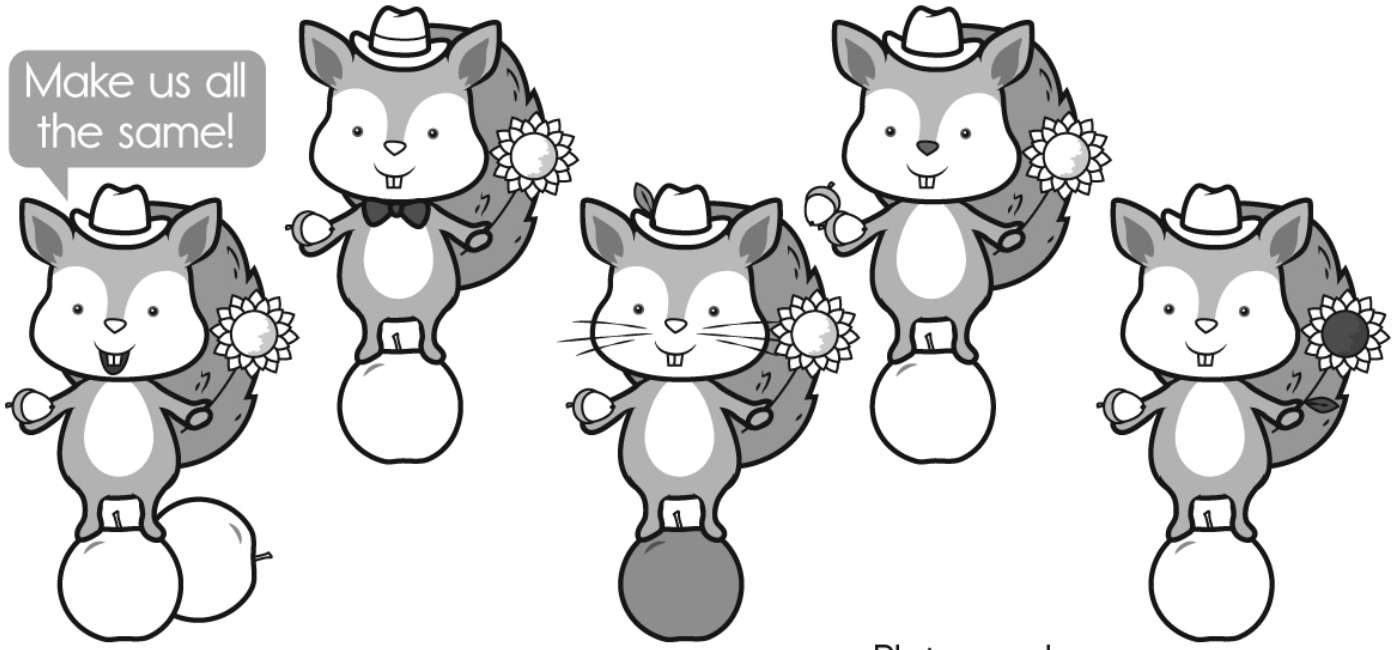
25 = __ tens + __ ones

40 = __ tens + __ ones

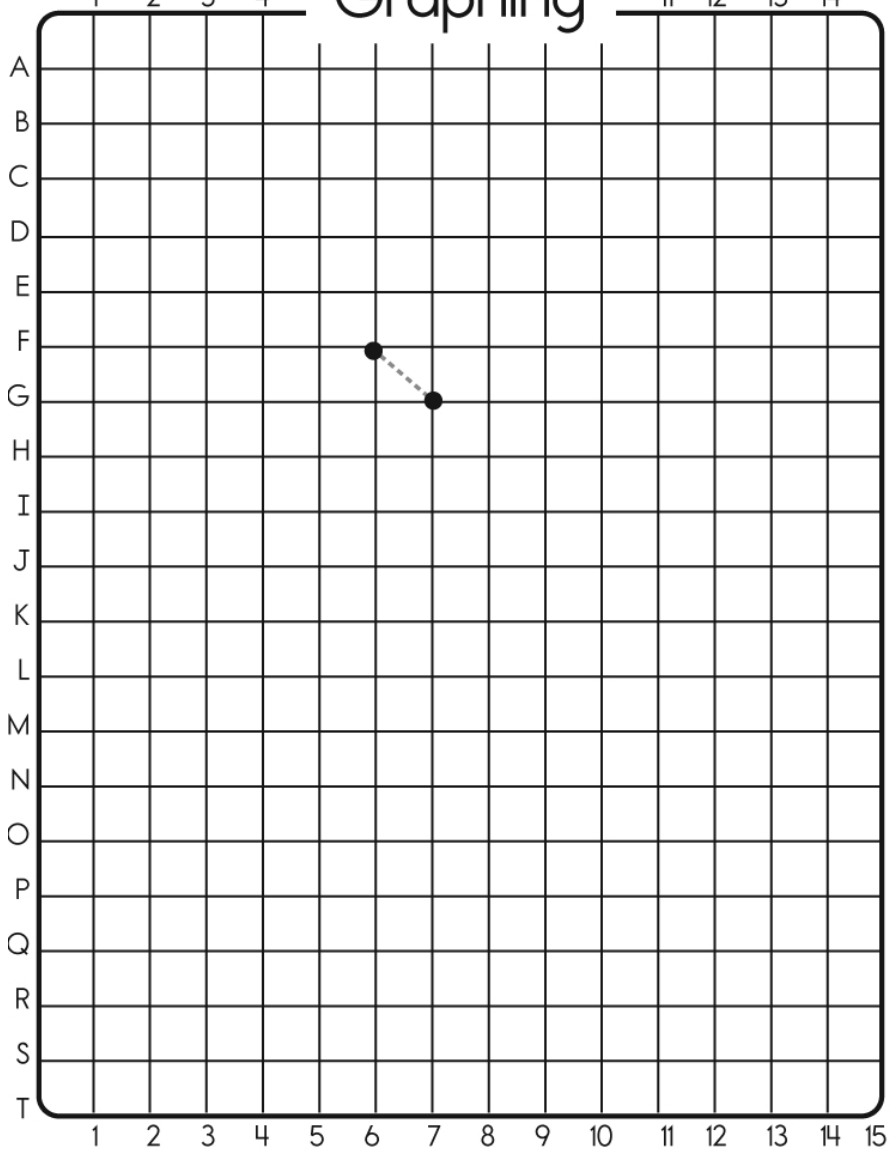
Draw 6 small squares.

Then color in some to show $\frac{1}{2}$.

Name: _____



Graphing



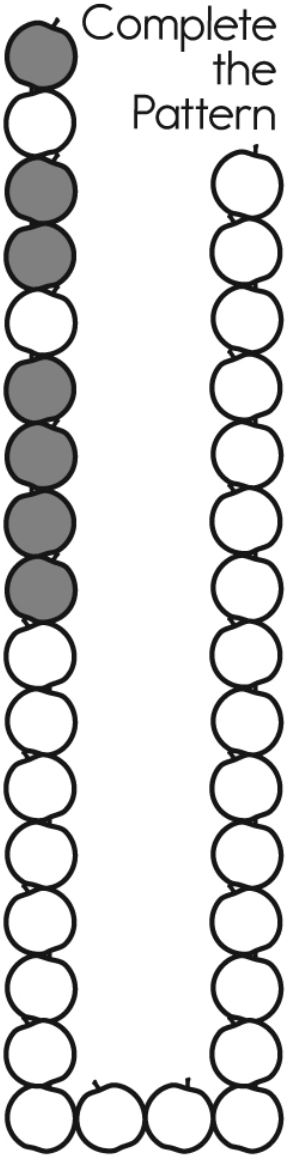
Plot and color

RED
- ☑ 7,G
- ☑ 6,F
- ☐ 3,F
- ☐ 1,H
- ☐ 1,Q
- ☐ 3,S
- ☐ 12,S
- ☐ 14,Q
- ☐ 14,H
- ☐ 12,F
- ☐ 9,F
- ☐ 8,G
- ☐ 7,G

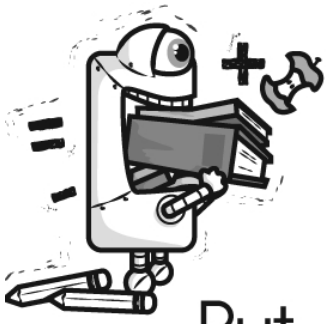
BROWN
- ☐ 8,G
- ☐ 8,C
- ☐ 7,C
- ☐ 7,G

GREEN
- ☐ 7,D
- ☐ 5,A
- ☐ 1,A
- ☐ 3,E
- ☐ 6,E
- ☐ 7,D

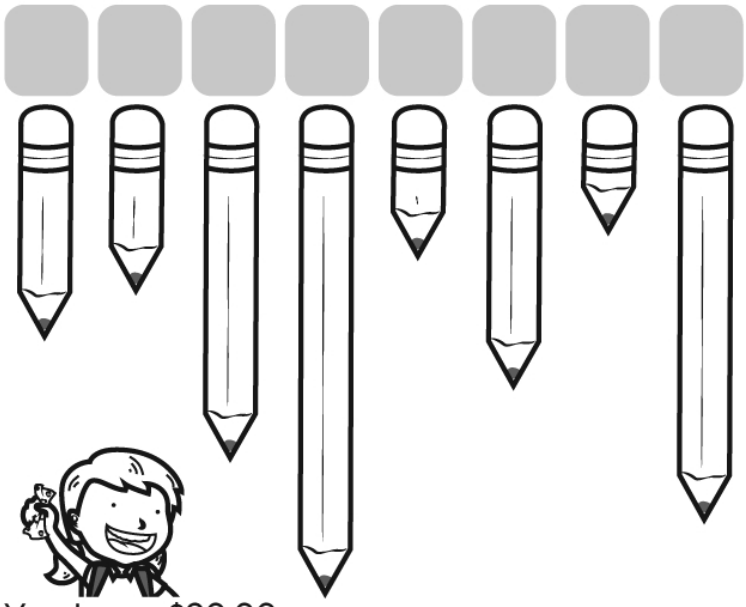
Complete the Pattern



Name: _____



Put in Order:
Longest to Shortest



You have $20.00.

Can you buy each group of school supplies?

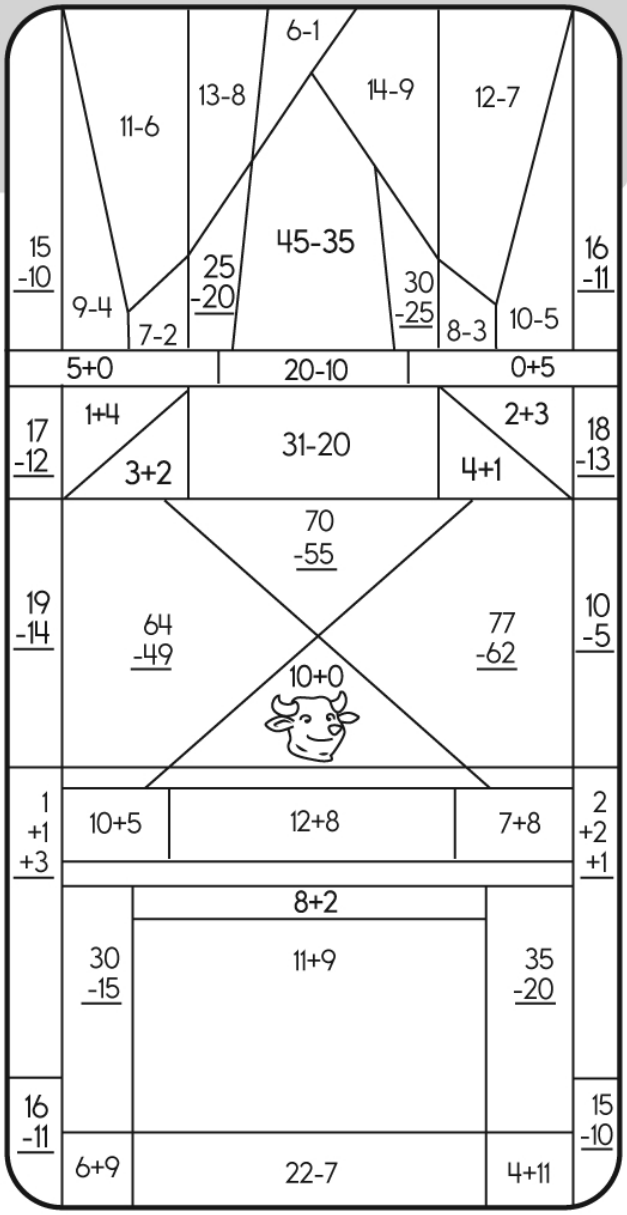
Y or N ☐

Y or N ☐

Y or N ☐

Color by Mixed Math

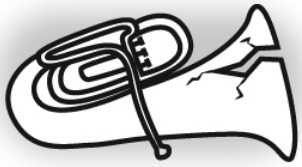
5 - gray
10 - orange
15 - white
20 - blue



How do you fix a broken tuba?

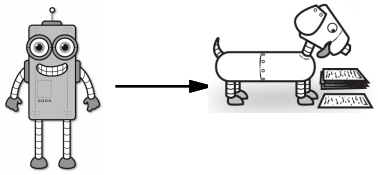
_	_	_	_	_	_	_	_	_	!
1	6	7	2	1		4	5	7	3

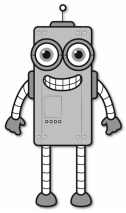
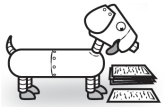
A	B	E	G	L	T	U
1	2	3	4	5	6	7



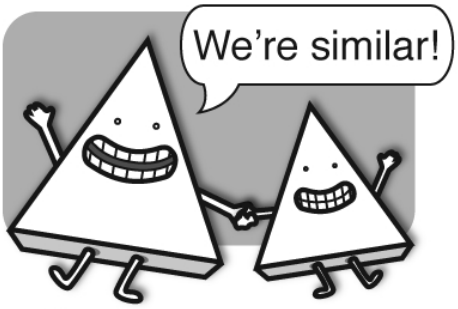
Name: _____

Help Robot find Rover. Color the boxes that have a difference of 3, 5, or 4 to make a path.

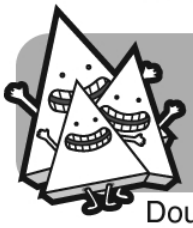


	8 - 3	7 - 3	9 - 4	10 - 6	7 - 4	14 - 3
14 - 3	15 - 3	11 - 10	15 - 8	14 - 11	7 - 4	7 - 4
14 - 6	10 - 6	10 - 5	13 - 10	12 - 7	10 - 5	7 - 3
12 - 10	7 - 3	8 - 2	8 - 5	11 - 10	13 - 8	13 - 7
11 - 5	7 - 2	11 - 6	9 - 5	9 - 6	15 - 10	7 - 2
12 - 10	7 - 6	9 - 6	8 - 1	13 - 5	12 - 11	

Name: _____

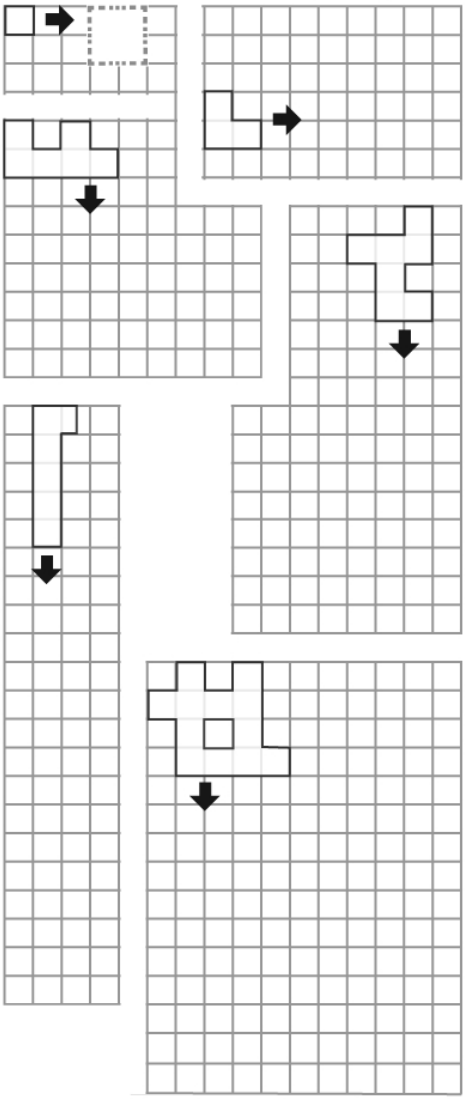


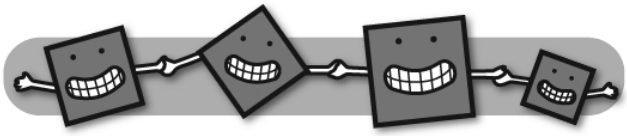
Similar: having the same shape; the same proportions and angles



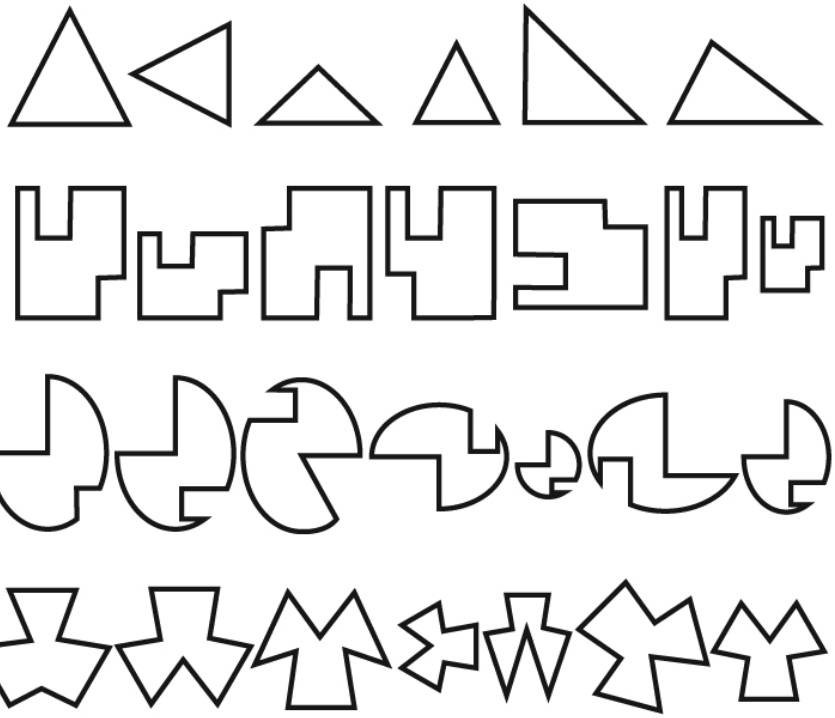
Keep it ***similar*** and make it **Bigger!**

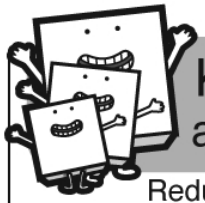
Double each shape's size using the grid.





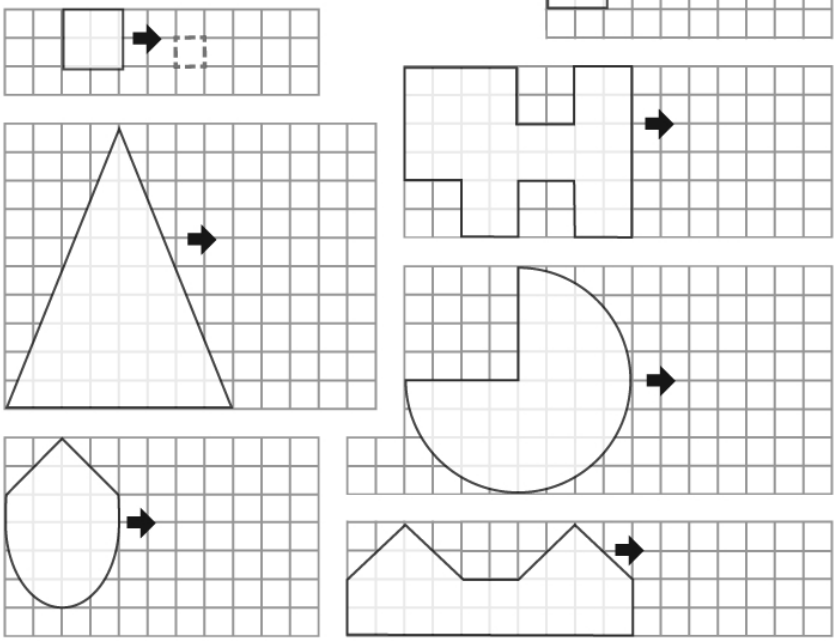
Shade the similar shapes in each row.





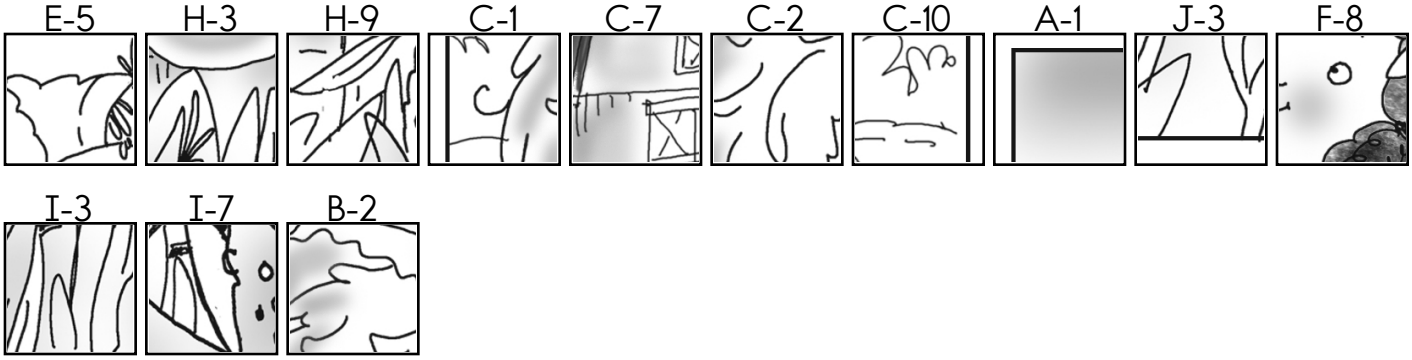
Keep it ***similar*** and make it smaller.

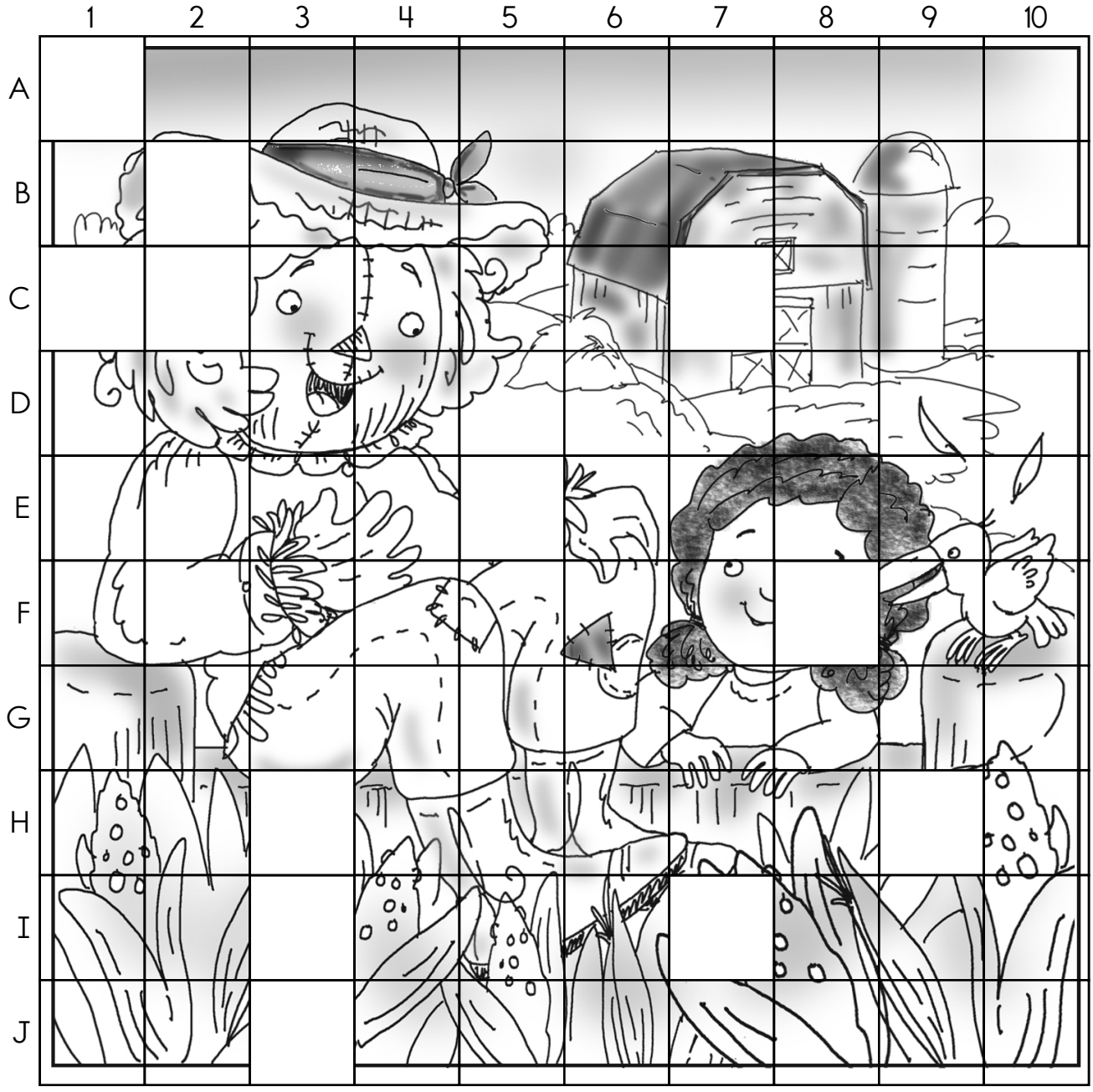
Reduce each shape's size by half using the grid.



Name: _____

Oh, no. This picture is all mixed up. Try to redraw the picture using the letter and number as a guide.





Name: _____

14 = ___ + 10

19 = ___ + 10

12 = ___ + 10

6 + 2 = ___

16 + 2 = ___

Maria started school with 11 pencils in her desk. She counted her pencils. She only has 5. How many pencils has she used?

$$\begin{array}{r} 28 \\ -\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ +\ 3 \\ \hline \end{array}$$

Rose loves reading. She read 2 books this month. She plans to read 7 more. How many books will she read this month?

Anne collects Frigid Dolls. She has 16 of them in the fridge. For her birthday she got 7 more. How many does she have now?

Jenna and Jessica are playing a game together. Jenna has 14 diamonds. Jessica has 13 diamonds. Jessica wants to buy an avatar that costs 17 diamonds. How many diamonds does she need to borrow from Jenna so she can buy it?

$$\begin{array}{r} 18 \\ +\ 40 \\ \hline \end{array}$$

Name: _____

10, _____, 14, 16, 18, 20, 22, 24, 26, 28

I, K, M, O, Q, S, _____, W, Y

$$\begin{array}{r} 51 \\ -\ 17 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +\ 1 \\ \hline \end{array}$$

17 + ___ = 21

___ + 17 = 24

Megan has 5 squishies. She collects them! She has 2 red ones. The rest are yellow. How many squishies are yellow?

Write these numbers in order from largest to smallest.

12, 17, 70, 40, 107

___, ___, ___, ___, ___

Mary quit the game so she gave Holly her 11 gold coins. Now Holly has 18 gold coins. How many gold coins did Holly have before Mary quit?

A two-digit odd number has a 6 in the tens place. The sum of the ones and tens digits is 7. What is the number?

6 tens + 9 ones = ___

7 tens + 3 ones = ___

1 ten + 4 ones = ___

4 tens + 0 ones = ___

Which is smaller? Circle it. Make a drawing to show why.

$\frac{1}{3}$ or $\frac{1}{2}$

14 + 10 = ___

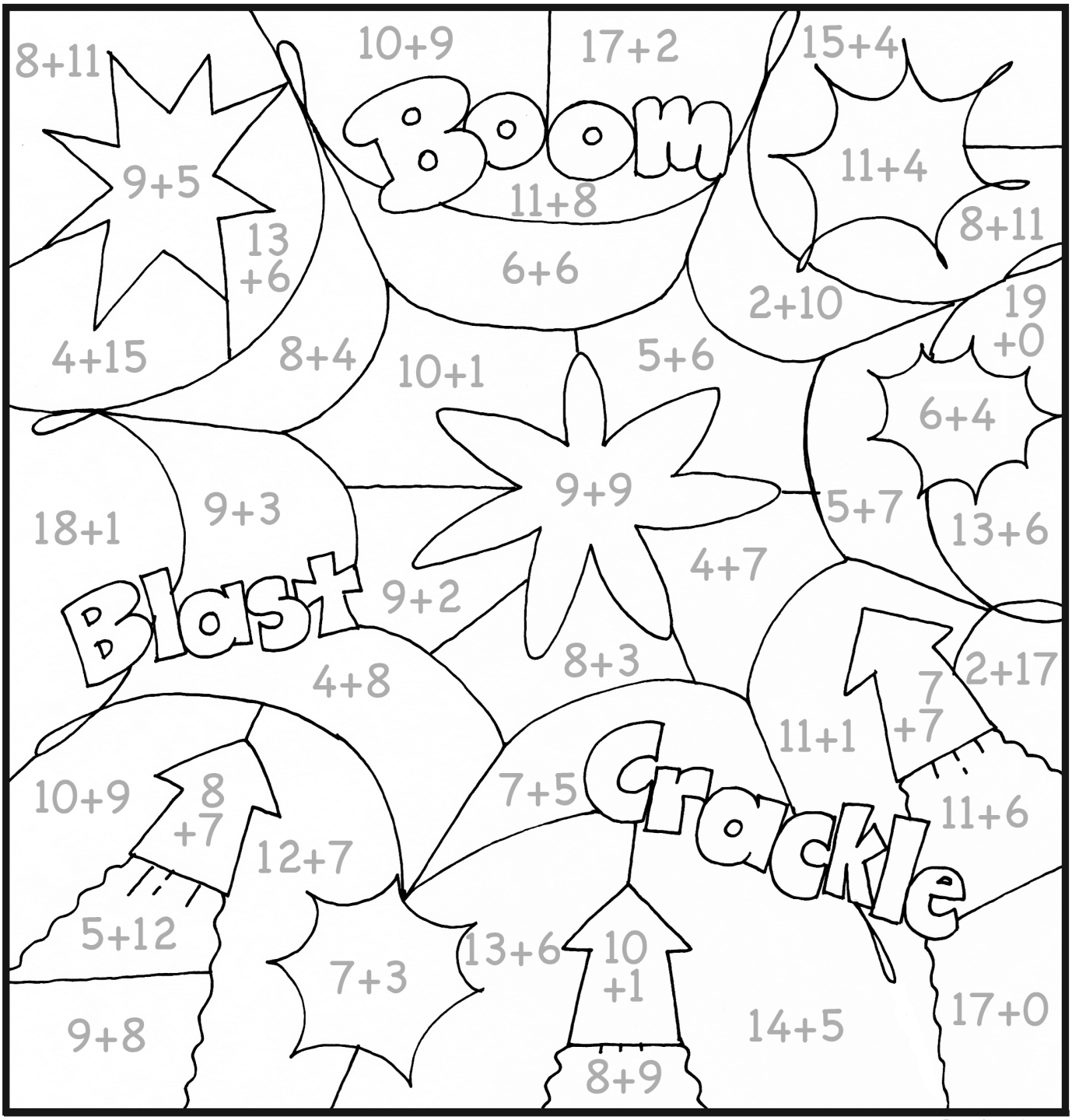
14 + 12 = ___

Name: _____

Surprise Sums

Use this sum code to color the picture.

15= purple 19= black 17= orange 11= red
18= yellow 14= blue 10= pink 12= green
blank areas= you choose



©edHelper

Name: _____

Find 2 equations hidden in each box. Good luck!

9 + 6

5

3 + 4

1 + 1

10

15

8

2

Write 2 equations: _____ _____

9 - 9

3 - 0

3

9 - 2

5 - 1

8

4

6 - 4

Write 2 equations: _____ _____

7 + 1

13

8

10

4 + 6

5 + 2

Write 2 equations: _____ _____

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.

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

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

2 4 1 3

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

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

2 4 1 3

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

Hint - These numbers are missing:

4 1 1 2

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

Hint - These numbers are missing:

1 1 2 4

Name: _____

Sudoku Sums of 7

Each row, column, and box must have the numbers 1 through 4.
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 7.

Here is an example of a sudoku sum of 7:

3	4

2			
1		3	
		4	

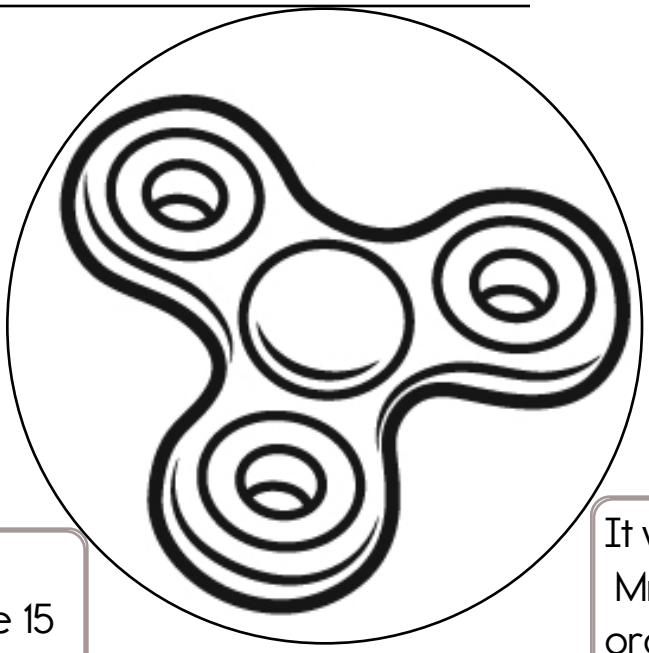
Sudoku Sums of 9

The sudoku sums in this puzzle is 9. Use the numbers 1 through 6.

5	6	2			
	1				
					4
6			5	3	
3				1	

Get Your Fidget Spinner

Name: _____



How many times do you need to spin?

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

For the Labor Day barbecue, Mom made 15 hamburgers and 5 hot dogs. How many more hamburgers than hot dogs did Mom make?

Dan made 10 Meet the Teacher signs to hang up in school. The next morning 4 of them had fallen down. How many signs were still hanging the next morning?

Felix picked 14 apples from the apple tree. Travis picked 10 apples from the apple tree. How many apples did they pick in all?

It was Checkers Day. Ed played 4 games of checkers with his mother and 6 games of checkers with his father. How many games of checkers did Ed play in all?

The weather was beautiful in September. Jane took 7 long walks the first week in September and 5 long walks the second week in September. How many more long walks did Jane take the first week than the second week?

It was Cheese Pizza Day. Mr. Martin's class ordered 10 cheese pizzas. Mrs. Horan's class ordered 6 cheese pizzas. How many more cheese pizzas did Mr. Martin's class order than Mrs. Horan's class?

There were 14 returning teachers at Jake's school. There were 6 new teachers at Jake's school. How many teachers were at Jake's school in all?

Name: _____

Spin the fidget spinner again until you finish THIS page. I needed to spin _____ time(s) to finish.

Charlie planted mums for 40 minutes in the morning. He planted mums for 20 minutes in the afternoon. For how many more minutes did Charlie plant in the morning than in the afternoon?

John made 20 cookies for the Labor Day celebration. Betsy made 30 cookies for the Labor Day celebration. How many cookies were made in all?

Kim picked 8 apples from the first tree and 5 apples from the second tree. How many more apples did she pick from the first tree than the second tree?

Joel took out 4 books about apples from the library. Mary took out 8 books about apples from the library. How many books about apples were taken out in all?

It was Collect Rocks Day. Bob collected 30 rocks. Ann collected 20 rocks. How many more rocks did Bob collect than Ann?

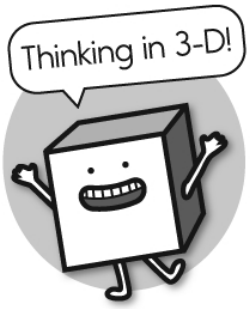
It was National Salami Day. Dad made 6 salami sandwiches on wheat bread and 8 salami sandwiches on white bread. How many salami sandwiches did Dad make in all?

It was Teddy Bear Day. Lola counted 9 teddy bears on her bed. She counted 8 teddy bears on her shelf. How many teddy bears did Lola count in all?

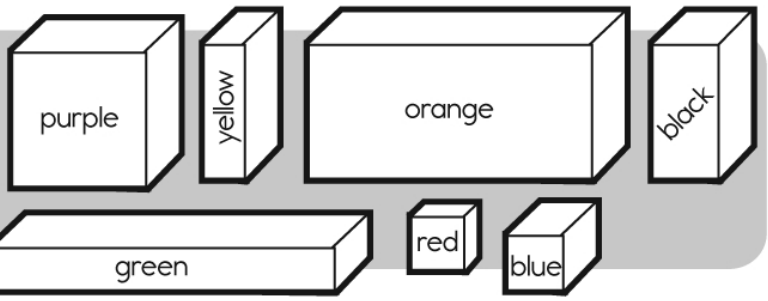
Dawn watched 8 soccer games the first week in September but only 3 soccer games the second week in September. How many more soccer games did Dawn watch the first week than the second week?

Leo took out 6 books on apples from the library. Lisa took out 3 books on apples from the library. How many more books did Leo take from the library than Lisa?

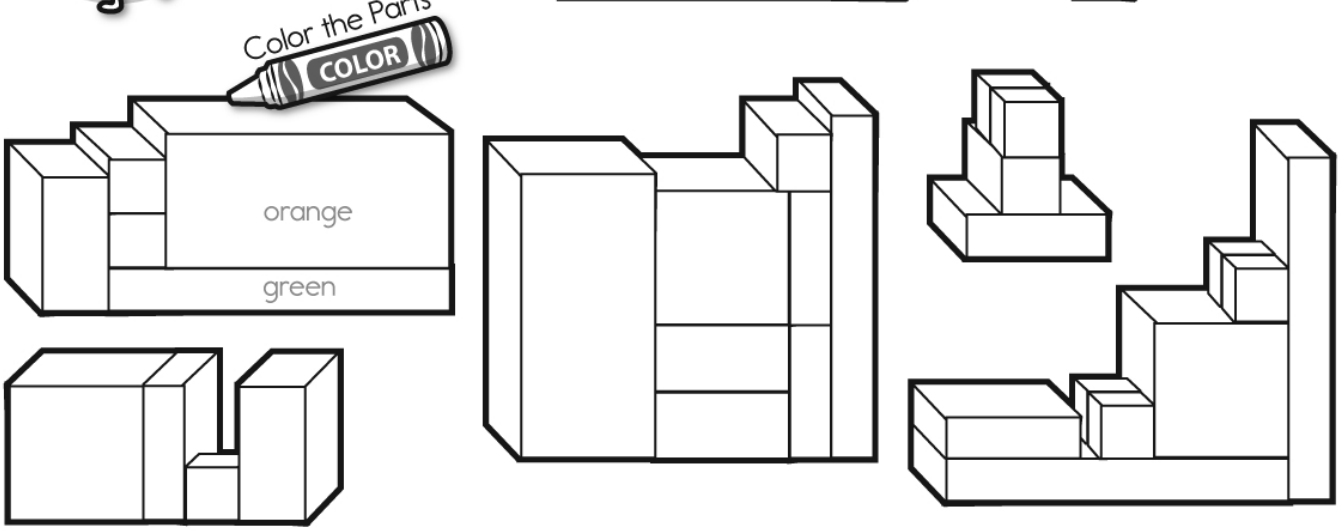
Name: _____

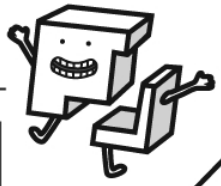


Which shapes are used to create each figure?

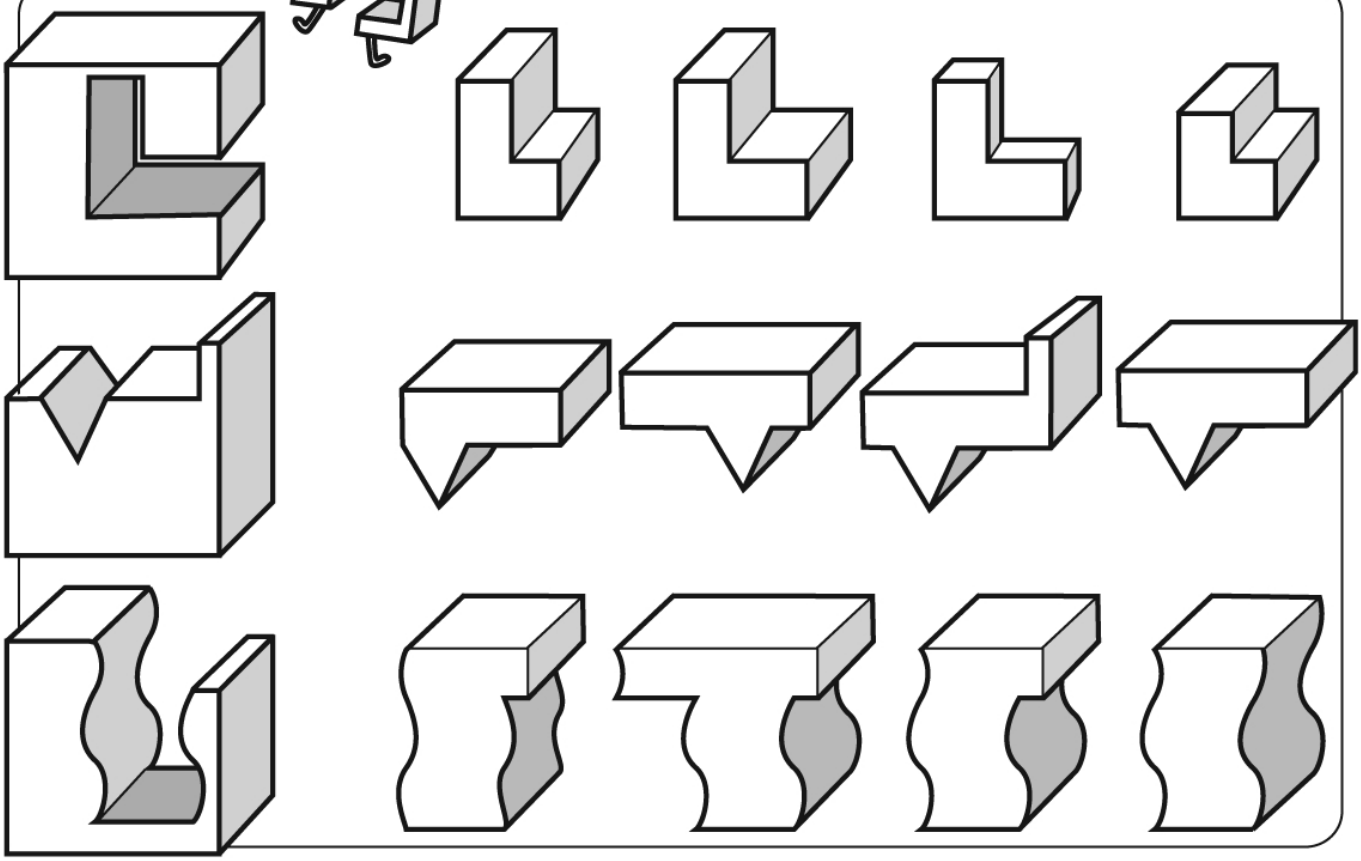


Color the Parts

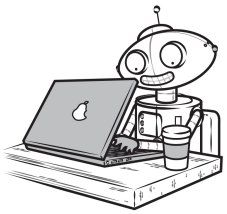




Circle the shape that completes each cube.



Name: _____



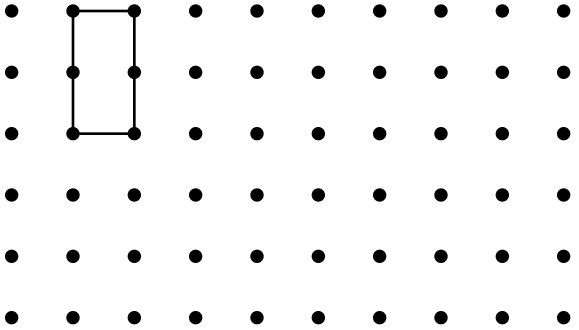
Dr. Programmer is good friends with Simon.
Dr. Programmer has a playdate with Simon.
Dr. Programmer is showing Simon his computer.

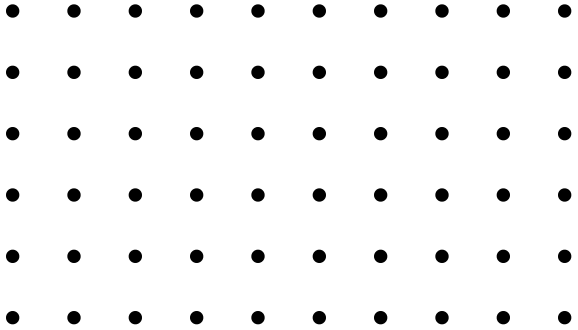
Dr. Programmer typed:	The computer replied:
print ("Hello")	H e l l o
print ("My name is Doctor Programmer.")	___ _____ ___ _____ _____ _____
print ("I also like second grade.")	__ _____ _____ _____ _____

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

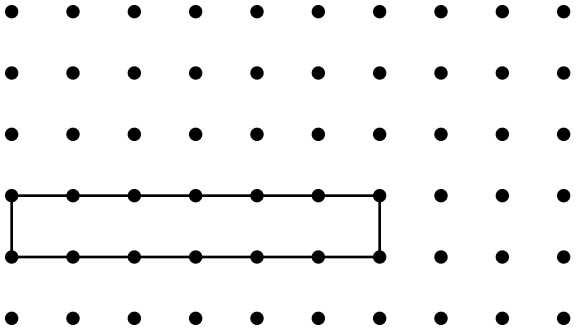
Name: _____

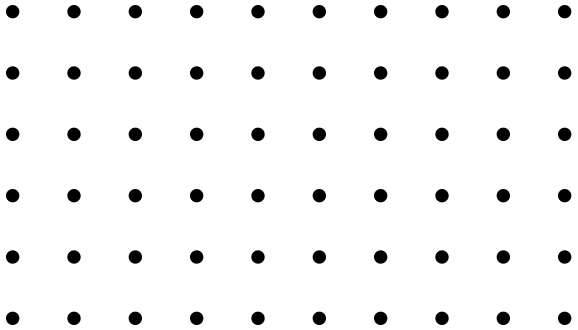
Draw a slide of the shape by moving the shape 1 dot to the left and 2 dots down.



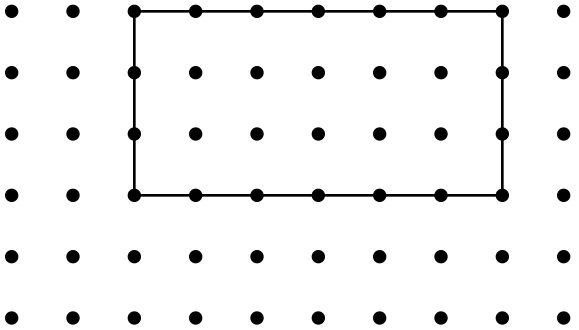


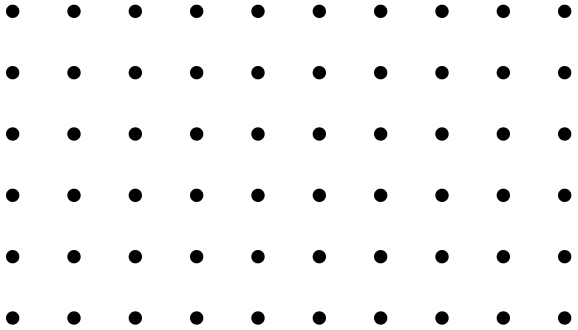
Draw a slide of the shape by moving the shape 2 dots to the right and 3 dots up.





Draw a slide of the shape by moving the shape 2 dots to the left and 1 dot down.





☐ I did page 24 ☐ I decided to skip this page

edHelper

Name: _____

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

sixteen plus nine equals

How many?

How many?

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

$$\begin{array}{r} 23 \\ +\ 10 \\ \hline \end{array}$$

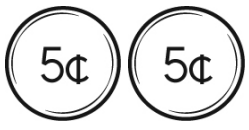
16, ____, ____, 19, 20, 21, ____, 23, ____, ____, ____

Sara took her empty backpack and filled it with tennis balls. Estimate how many tennis balls you think she was able to fit into her backpack.

69, 82, _____, 108, 121, 134

Wendy has eight tickets to the middle school play. She gave Hannah a ticket. She gave two tickets to Megan. How many tickets does Wendy have left?

How much is this?



$$\begin{array}{r} 11 \\ +\ 10 \\ \hline \end{array}$$

five plus eight equals

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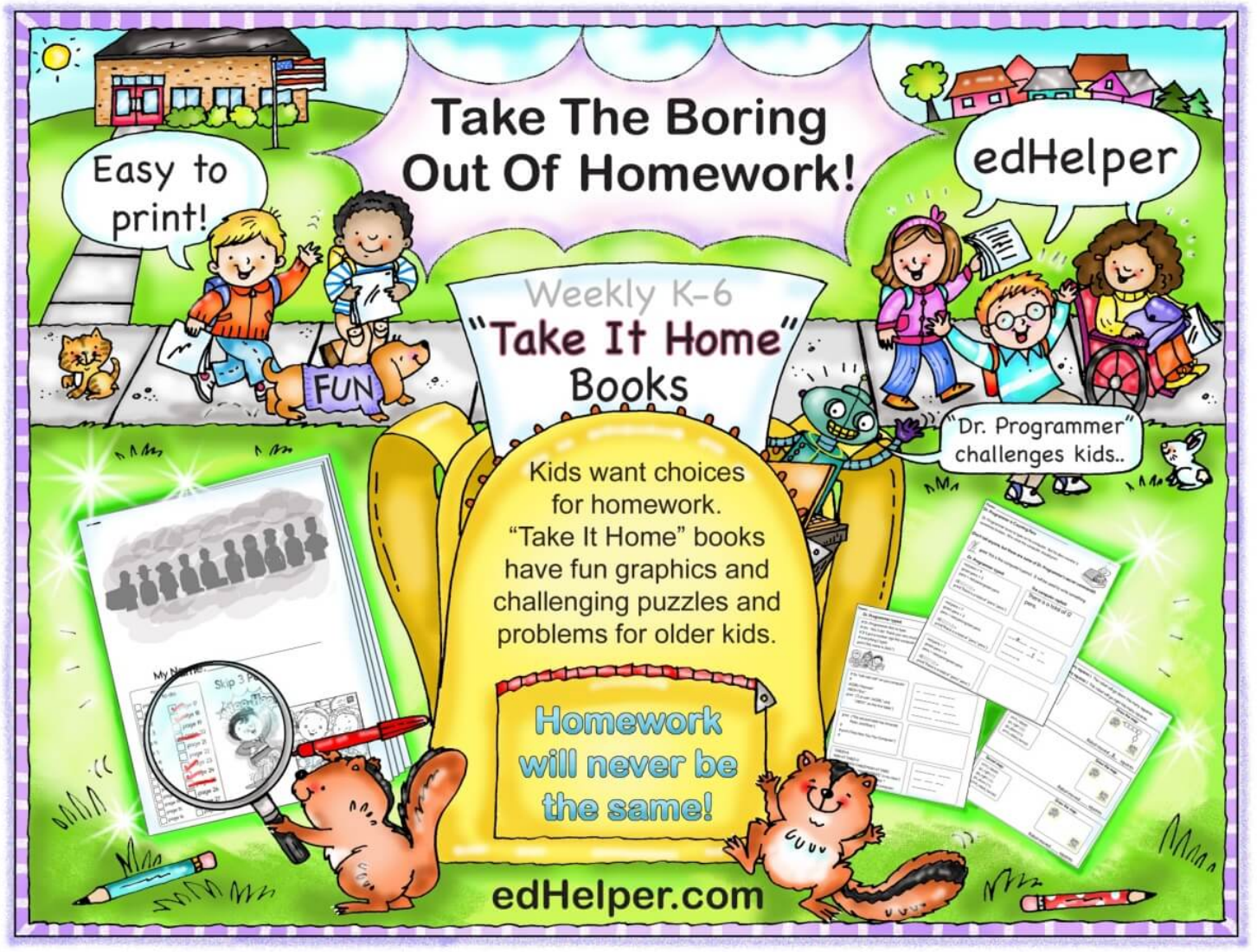
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