

8	+1		-3		+2		-1		+2	
---	----	--	----	--	----	--	----	--	----	--

Name: \_\_\_\_\_

Pick 24 to do:

Skip 2 pages.

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

## Challenge Math

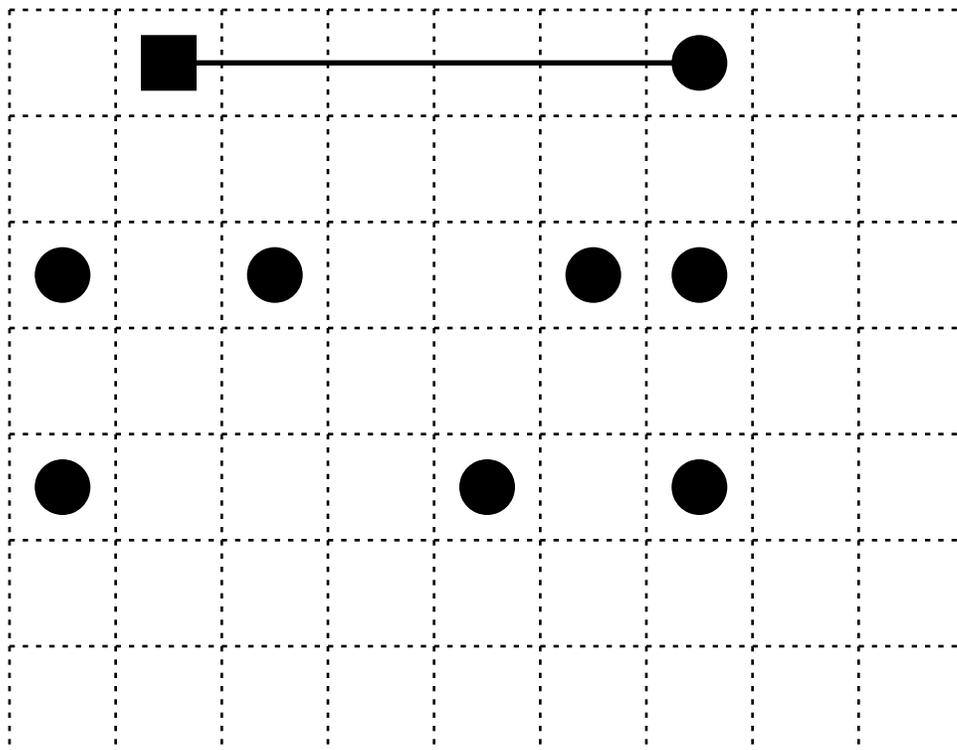
---

### Book 30

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

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

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



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

Name: \_\_\_\_\_

Larry, Lou, and Leif the leprechauns lost lots of gold coins.

Larry lost 4 gold coins.

Lou lost 2 gold coins.

Leif lost 8 gold coins.

Who lost the most coins?

How many more gold coins did Larry lose than Lou?

How many gold coins were lost in all?

Name: \_\_\_\_\_

Mary made 6 banana fritters. Her brother ate 2 of them. How many fritters are left?

There were 11 cans of soda on the table. The children drank 3 of them. How many cans were left?

Djora lives in Turkmenistan. His father raises horses. He has 8 black horses. He has 10 brown horses. How many horses does he have in all?

How many nickels do you need if you want to have exactly 20 cents?

What is ten less than 63?

39, \_\_\_\_, \_\_\_\_, \_\_\_\_, 43,  
\_\_\_\_, 45

Mrs. Clark sold 9 apple pies. Amy sold 3 cherry pies. How many pies were sold in all?

Hannah and Sarah want to buy a book. The book is about Earth Day. Hannah has saved 10¢. Sarah has saved 9¢. How much have they saved in all?

Kevin, Gavin, and Gavin went to the zoo. Kevin saw eight penguins. Gavin saw seven penguins. Gavin saw six penguins. How many penguins did they see in all?

57, 58, \_\_\_\_, \_\_\_\_, 61,  
\_\_\_\_\_

$54 - \underline{\quad} = 44$

Double three.

Name: \_\_\_\_\_

Eric walked 9 blocks to the pool. Wendy walked 3 blocks to the pool. How many more blocks did Eric walk?

Kevin is ready to go back to school. He had 6 yellow pencils. His mother gave him 2 red pencils and 3 blue pencils. How many pencils did he have in all?

Vera ate two blini. Baba Nina ate one blini. Mama Katya ate five blini. Papa Jeff ate six blini. How many blini did they eat in all?

$21 - \underline{\quad} = 16$

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

J, L, K, M, L, N, M, O,  
\_\_\_\_\_, P

Eric hopes to have a green truck someday. He saw eight trucks today. Four of the trucks Eric saw were not green. How many of the trucks that Eric saw were green?

Alex planted an oak tree in his yard. It was 2 feet tall. It grew and grew. One year later the tree was 7 feet tall. How many feet did the tree grow in one year?

Mrs. Hall had 22 eggs. She used 6 eggs for breakfast. How many eggs are left?

9, 11, 13, 15, 17, 19,  
\_\_\_\_\_, 23, 25

How much is this?



What is ten more than 75?

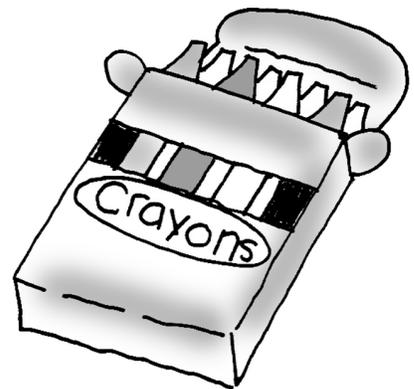
Name: \_\_\_\_\_

# I Found Lighter

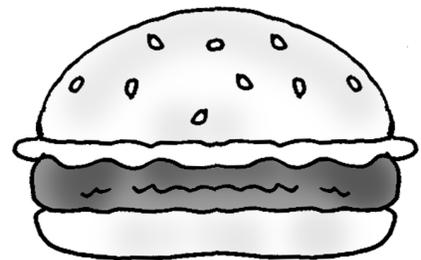
Look at the pictures. Draw something in the boxes next to each that is lighter.



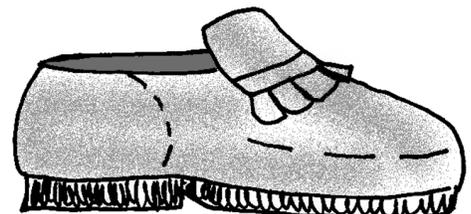
is lighter  
than...



is lighter  
than...



is lighter  
than...

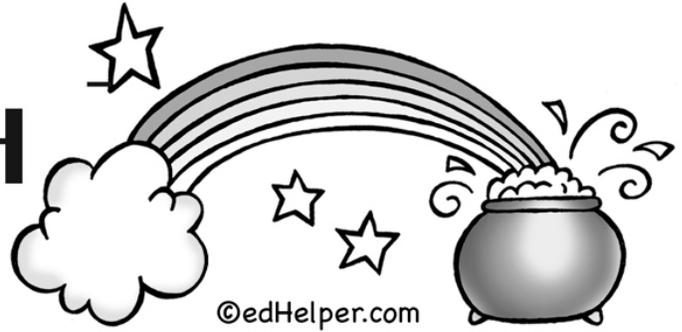


©edHelper

Name: \_\_\_\_\_

# RAINBOW MATH

Solve the math problems within each line.  
Compare the two answers in that line and  
circle the correct symbol (<, > or =).



1.

$18 - 9$

>  
=

$3 + 4$

2.

$11 + 3$

>  
=

$15 - 3$

3.

$8 - 5$

>  
=

$8 + 3$

4.

$14 - 8$

>  
=

$9 + 8$

5.

$23 - 2$

>  
=

$19 + 3$

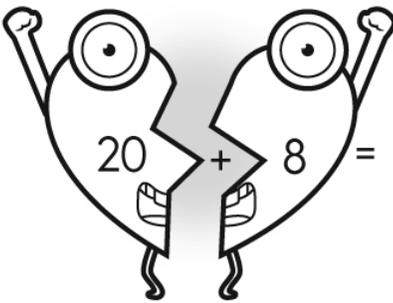
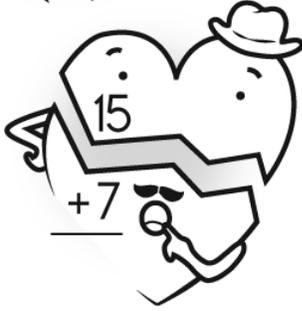
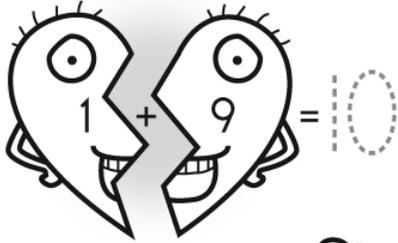
6.

$12 + 4$

>  
=

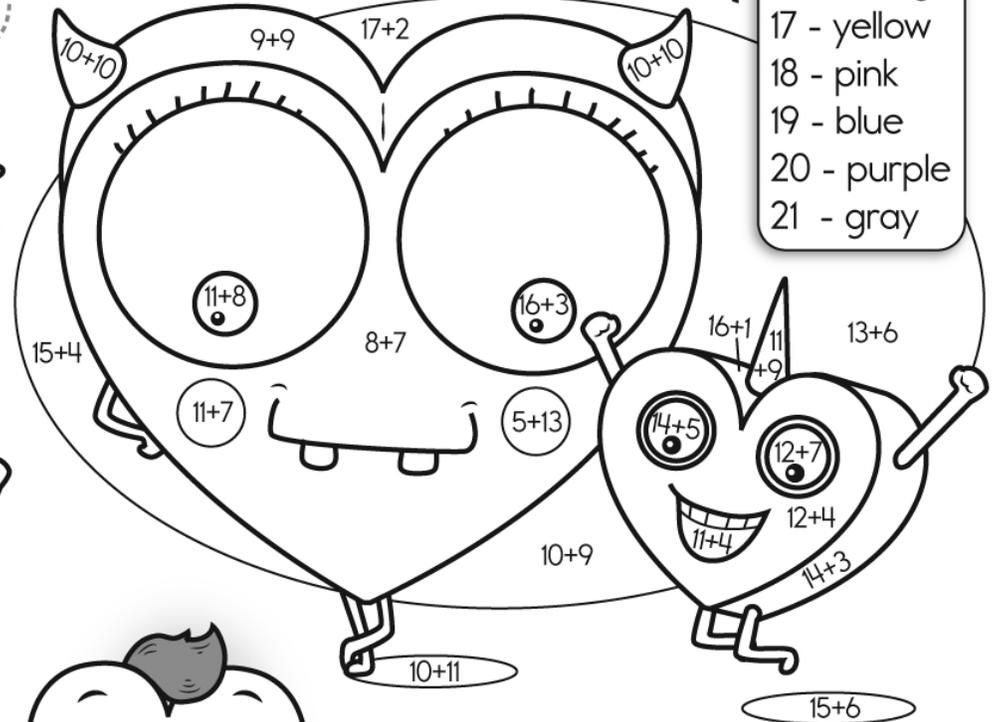
$20 - 2$

Name: \_\_\_\_\_

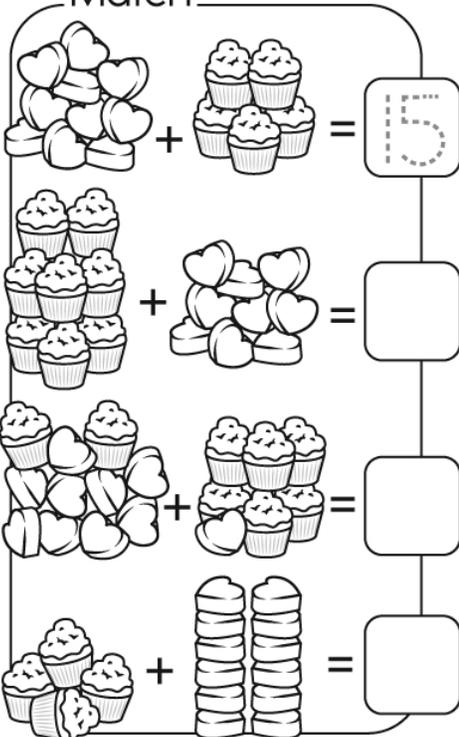


## Color by Addition

- 15 - red
- 16 - orange
- 17 - yellow
- 18 - pink
- 19 - blue
- 20 - purple
- 21 - gray



### Add and Match

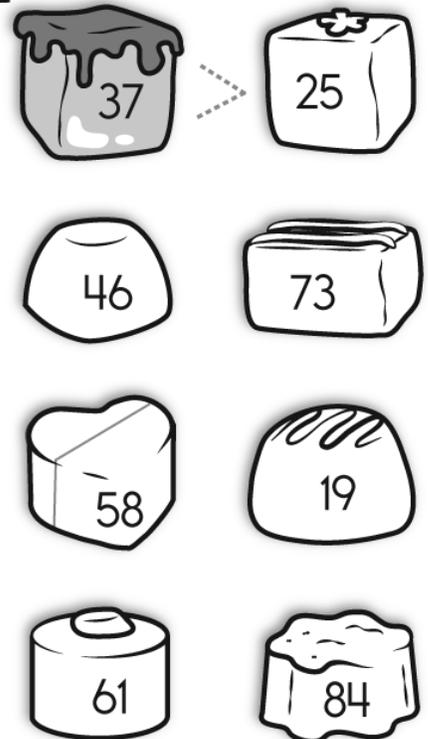


- $11 + 7 =$
- $10 + 5 =$
- $4 + 12 =$
- $8 + 9 =$

### Comparing Double Digits

&gt; Fill in the symbols.&lt;

Color it!



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

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

4 3 1 2

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

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

3 1 2 4

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

Hint - These numbers are missing:

4 4 4 1

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

Hint - These numbers are missing:

4 2 3 2

Name: \_\_\_\_\_

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

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

Hint - These numbers are missing:

2 3 3 3 3 1 1

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

Hint - These numbers are missing:

3 2 4 1 1 3 3

2	1	2	1
		3	
1	2	1	
	4	3	

Hint - These numbers are missing:

3 4 2 4 4 3

	1	3	1
2	4		
1	3		3
4	2		

Hint - These numbers are missing:

1 3 2 4 4 2

94, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_, 100

80, 90, 100, 110, 120,  
\_\_\_\_\_, 140

	3
+	5
<hr/>	

Name: \_\_\_\_\_

$6 + 4 = 10$

$3 + 9 =$

$4 + 2 =$

$7 + 5 =$

$6 + 2 =$

$3 + 8 =$

$7 + 6 =$

$4 + 5 =$

$4 + 9 =$

$3 + 2 =$

$9 + 6 =$

3	14	5	11	6	27	11	9	4	13	4	9	13	8	7	3
5	4	12	12	6	10	4	28	11	9	7	5	11	5	4	7
3	7	9	1	20	8	7	5	3	7	7	14	4	2	7	3
11	3	16	15	2	11	3	5	9	20	12	5	11	2	12	8
6	9	12	13	10	1	12	5	12	6	13	7	6	14	6	2
3	9	6	27	2	9	7	16	2	2	12	1	2	11	14	1
9	9	3	2	1	4	6	6	4	8	8	3	6	1	4	6
9	5	12	2	7	5	10	15	13	14	16	2	12	12	3	11
3	6	8	6	5	6	11	11	5	14	4	15	5	11	2	12
6	8	27	13	7	14	15	6	16	6	6	9	4	13	8	1
11	6	5	<b>6 + 4 = 10</b>	4	11	16	4	2	11	14	7	2	14		
16	10	13	12	4	3	2	5	4	12	5	8	6	5	8	6
7	8	5	8	5	11	9	12	3	7	3	9	3	8	11	23
5	2	2	23	4	4	1	13	10	6	6	8	10	4	5	6



Write operation.  
Write = sign.  
Circle.

$5 + 3 = 8$

$1 + 7 =$

$9 + 8 =$

$2 + 5 =$

$4 + 3 =$

$6 + 3 =$

$1 + 2 =$

$4 + 2 =$

$9 + 7 =$

$7 + 6 =$

$6 + 5 =$

15	9	8	18	4	7	8	3	2	5	7	18	6	6	8	4
1	9	8	7	<b>5 + 3 = 8</b>	5	4	3	7	1	6	3	4	1		
15	7	3	17	5	3	6	9	19	3	11	28	3	8	9	3
1	2	8	4	2	7	2	8	1	7	1	17	2	3	6	11
4	8	5	1	2	16	17	1	9	19	28	27	23	7	2	5
3	11	8	7	16	6	1	10	21	18	7	3	16	6	3	18
18	1	2	3	9	1	26	4	3	10	13	7	7	16	5	11
12	10	6	2	6	24	7	4	2	17	6	5	7	9	2	7
10	7	3	7	9	7	18	9	7	9	6	5	1	2	8	1
9	9	13	2	6	7	6	15	7	9	5	8	11	7	10	2
4	22	2	13	18	13	5	9	15	16	4	7	13	5	8	1
6	7	3	3	1	9	6	24	1	6	10	3	8	9	1	17
23	6	2	1	8	2	22	8	1	8	9	27	6	3	9	25

Name: \_\_\_\_\_

Can you draw lines to cover every number or shape in the picture?

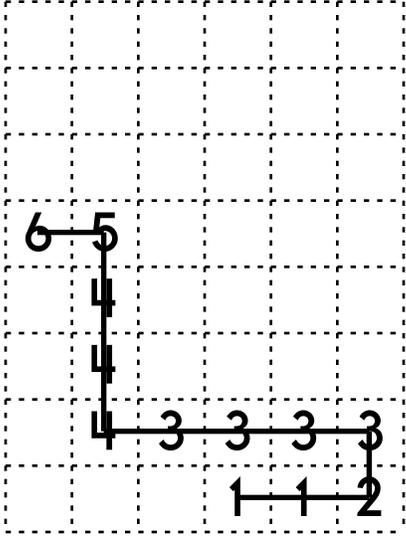
You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!

The first one is already done for you. Good luck.

Draw exactly 5 lines.

Start on 1.

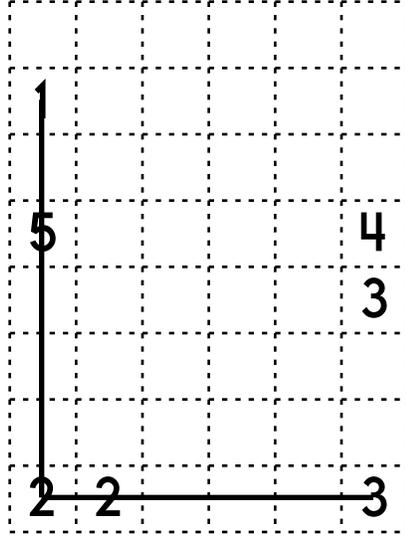
Do not pick up your pencil.



Draw exactly 4 lines.

Start on 1.

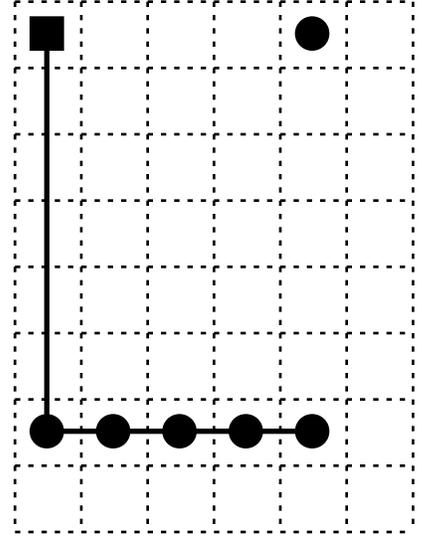
Do not pick up your pencil.



Draw exactly 3 lines.

Start on the square.

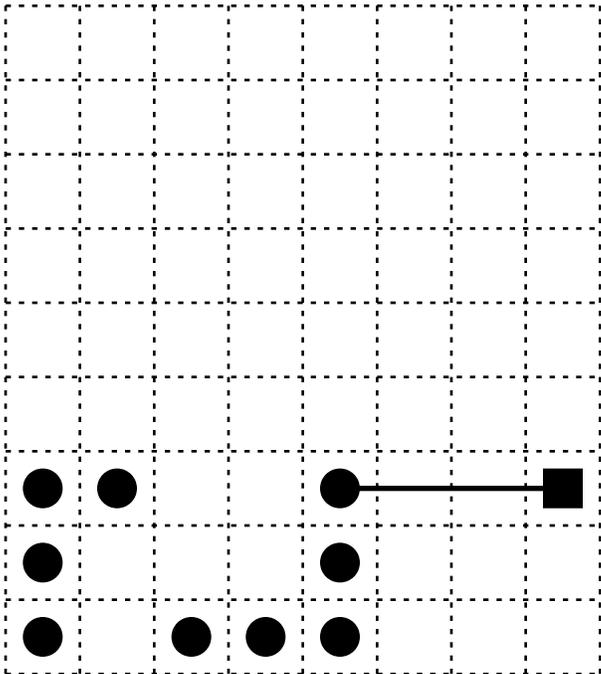
Do not pick up your pencil.



Draw exactly 5 lines.

Start on the square.

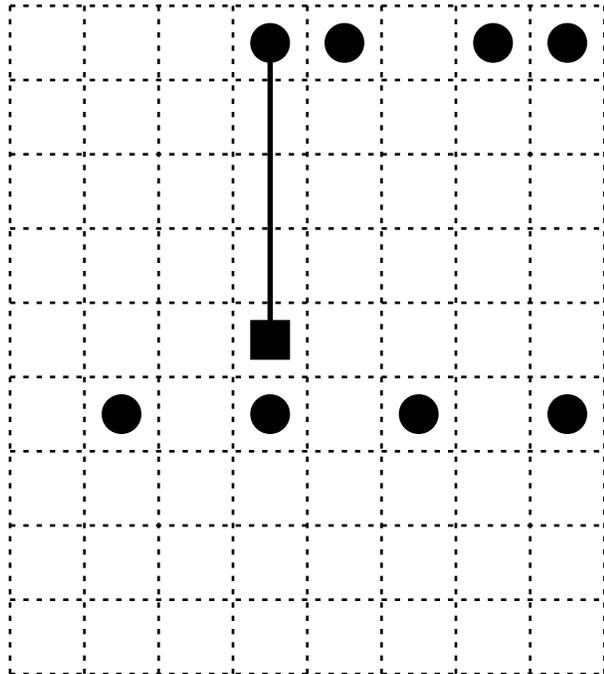
Do not pick up your pencil.



Draw exactly 4 lines.

Start on the square.

Do not pick up your pencil.



Name: \_\_\_\_\_

# Lucky

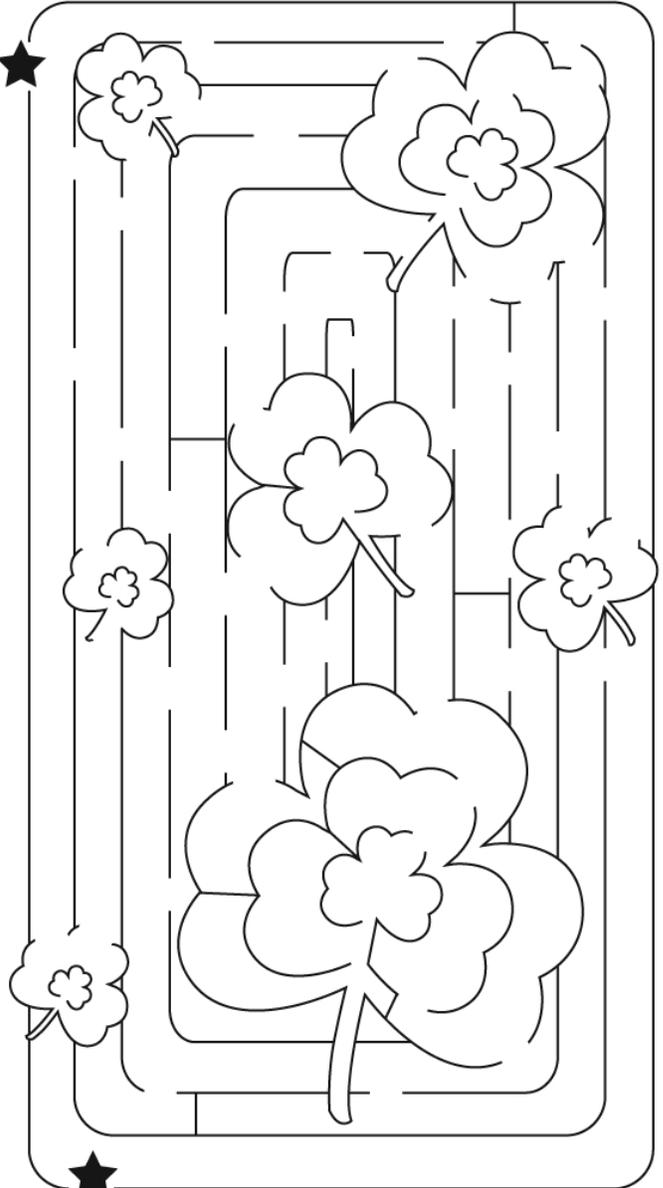
Color by Evens



- 2-30 - green
- 32-42 - orange
- 44-64 - tan
- 66-76 - yellow
- 78-98 - blue

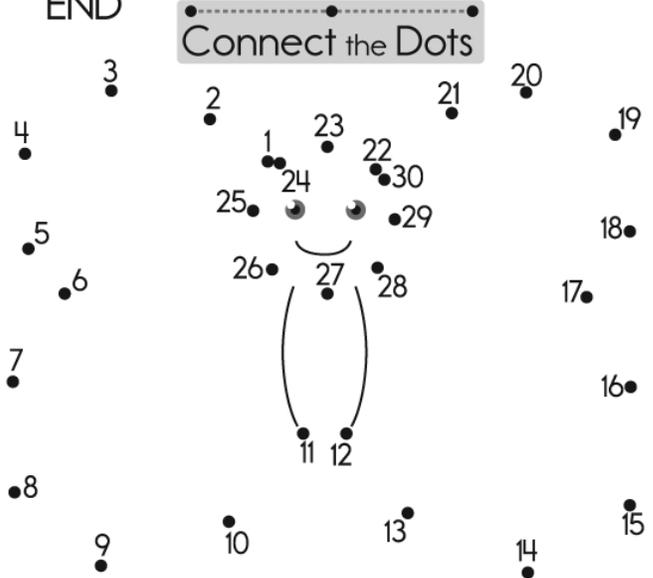
78	80	22	10	26	4	12	20	2	78	80
92	86	8	16	6	14	24	8	16	92	86
84	90	28	30	22	10	26	28	30	84	90
98	82	4	12	70	66	72	4	12	98	82
88	94	18	6	76	24	70	18	6	88	94
80	96	20	2	66	68	74	20	2	80	96
14	24	6	14	24	8	16	6	14	24	20
10	26	22	10	26	28	30	22	10	26	6
32	52	99	0	64	44	50	99	0	54	40
36	48	0	1	48	62	52	0	1	46	34
54	50	64	44	64	44	54	50	64	44	54
50	44	48	58	48	62	50	44	48	62	50
78	62	58	1	99	0	1	0	58	54	78
92	56	60	46	0	1	99	56	60	46	92
84	50	44	48	62	54	50	44	48	62	84
98	86	78	94	54	50	64	96	86	90	98
88	90	92	10	26	44	22	18	90	82	88
80	82	84	28	30	62	16	20	82	94	80
80	96	22	10	26	4	12	20	2	80	80
86	18	16	14	6	76	24	8	16	16	86
90	20	99	0	22	10	26	1	99	8	90
82	28	30	14	8	66	6	4	12	28	82
94	6	20	10	24	24	12	18	6	14	94
96	12	6	16	14	70	6	20	2	6	96
78	24	30	8	6	12	2	6	14	24	78
92	26	4	28	2	68	30	22	10	26	92

START ★



END ★

### Connect the Dots



Name: \_\_\_\_\_

Finish.

$8 + 4 = \underline{\quad}$	$12 - 7 = \underline{\quad}$
$9 + 3 = \underline{\quad}$	$8 - 6 = \underline{\quad}$
$4 + 5 = \underline{\quad}$	$11 - 5 = \underline{\quad}$
$7 + 7 = \underline{\quad}$	$10 - 2 = \underline{\quad}$

Write the numbers that come before.

 \_\_\_\_\_ **110** 

Write the numbers that come after.

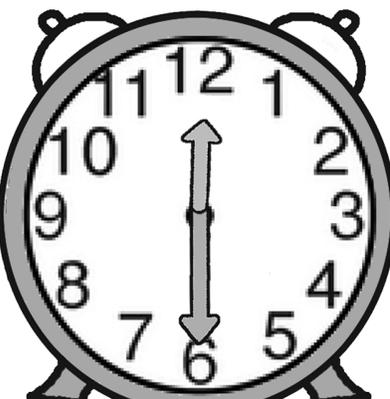
 **110** \_\_\_\_\_ 

Write the time shown.



: \_\_\_\_\_

Write the time shown.



: \_\_\_\_\_

Name: \_\_\_\_\_

Cross off the letter or number that does NOT belong.

r, 5, 2, r, P, 5, 2, r, P, 5, 2, r, P, 5, 2, r, P

Why does \_\_\_\_\_ not belong in the pattern?

Cross off the letter that does NOT belong.

F, L, G, M, H, J, N, I, O, J, P

Why does \_\_\_\_\_ not belong in the pattern?

Name: \_\_\_\_\_

Puzzle:

	6	13
	6	13
14	12	+

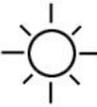
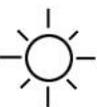
Work Area:

	6	13
	6	13
14	12	+

The sum for each column  
and row is given.

 = \_\_\_\_\_

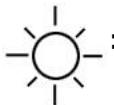
Puzzle:

		9
		9
9	9	+

Work Area:

		9
		9
9	9	+

The sum for each column  
and row is given.

 = \_\_\_\_\_       = \_\_\_\_\_

What is ten more than 75?

E, J, F, K, G, L,  
\_\_\_\_\_, M, I, N

How many?



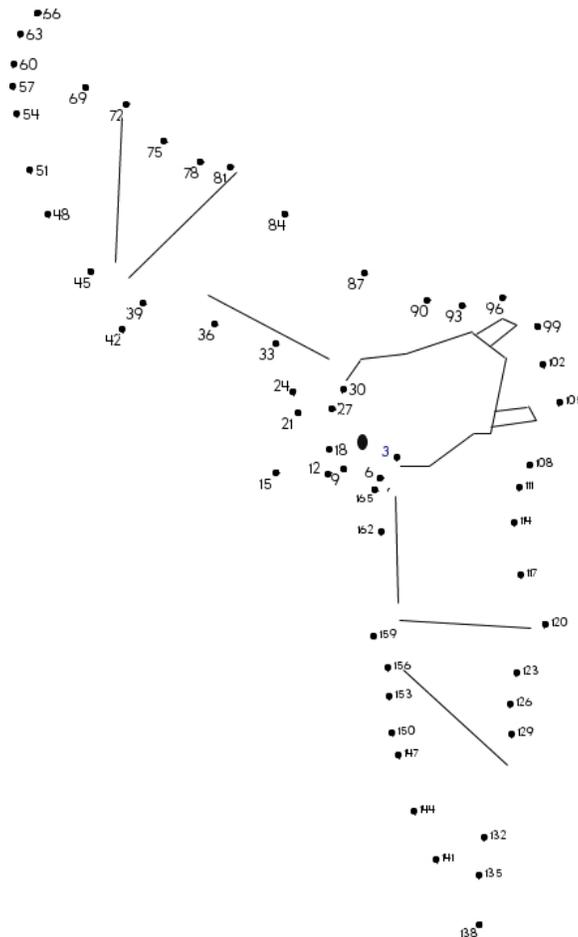
Name: \_\_\_\_\_

Erin made six cups of pudding. She ate three cups. How many cups of pudding were left?

Erin had five pumpkins. She gave three of them away. How many pumpkins does she have left?

Hunter trusted his brother not to tell his mom that he fell into three mud puddles and two water puddles. How many puddles did he fall into?

Count by 3s.

3 , 6 , \_\_\_\_\_ , \_\_\_\_\_ , 15 , \_\_\_\_\_ , \_\_\_\_\_ , 24 , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , 36word root **dur** can mean **hard**      **durable, duration**

Name: \_\_\_\_\_

Lucky Leprechaun counted fifteen gold coins inside his pot. He took eight from it and hid them in a tree. How many coins are left?



Subtraction Problem

Answer

Write the reversal of each equation. The first is done as an example. Then write the answer to each.

$$5 + 11 = \underline{11 + 5} = \underline{16}$$

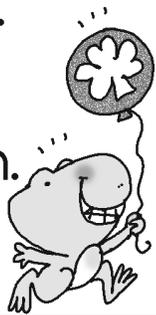
$$12 + 8 = \underline{\quad} = \underline{\quad}$$

$$9 + 6 = \underline{\quad} = \underline{\quad}$$

$$10 + 7 = \underline{\quad} = \underline{\quad}$$

$$13 + 4 = \underline{\quad} = \underline{\quad}$$

$$6 + 13 = \underline{\quad} = \underline{\quad}$$



Write in numbers to make each problem correct.

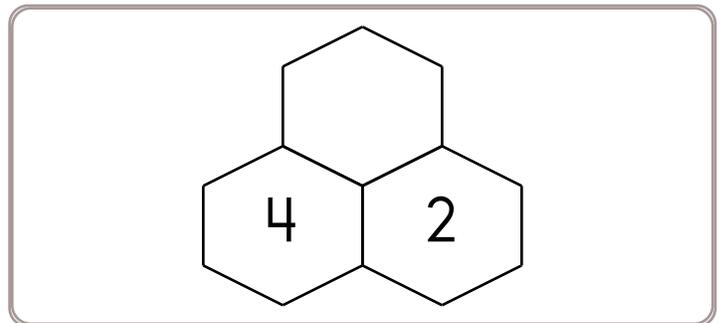
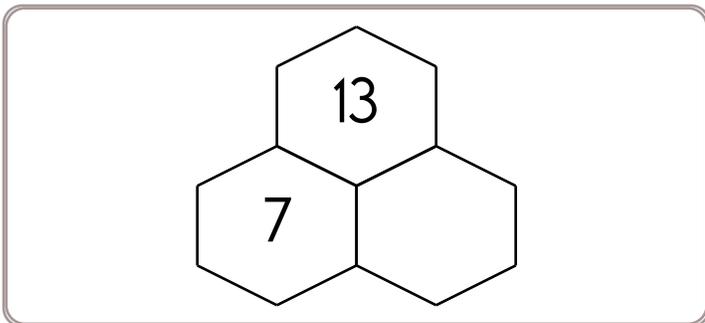
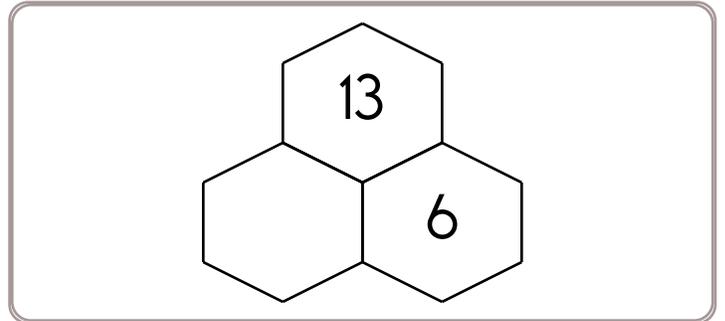
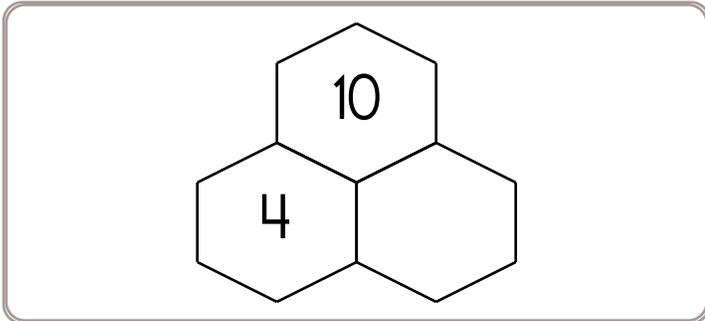
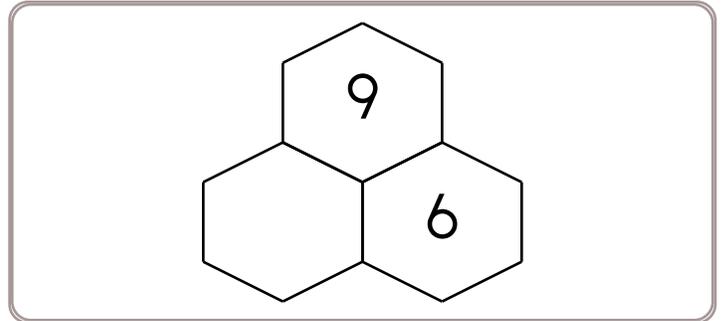
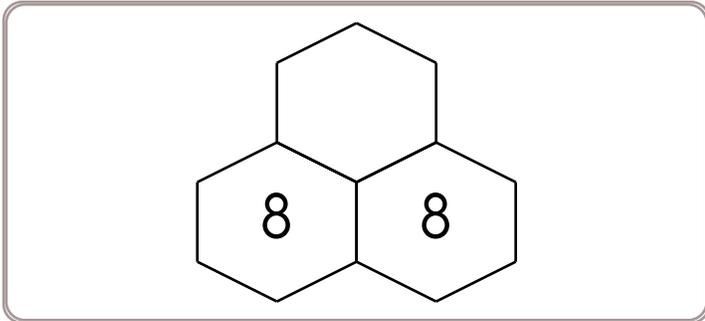
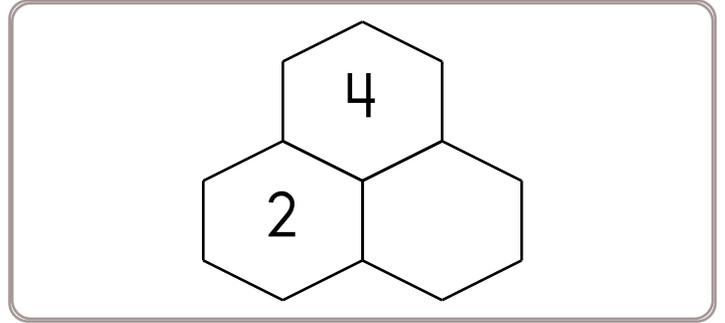
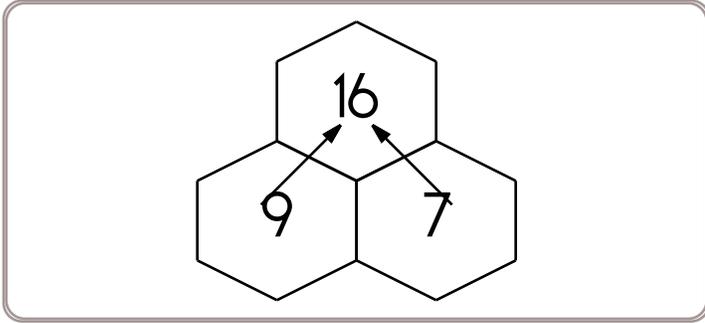
$$\begin{array}{r} 12 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} \underline{\quad} \\ - 6 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 4 \\ + \underline{\quad} \\ \hline 19 \end{array}$$

Name: \_\_\_\_\_

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



What is ten less than 62?

How many nickels do you need if you want to have exactly 10 cents?

96, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_, 102

Name: \_\_\_\_\_

There were two bags of cotton candy on the table. Then five more bags were put on the table. How many bags were on the table then?

Miss Robinson had some knitting needles. She bought 4 more needles. Now she has 15 needles. How many needles did she have before?

Anne went fishing. She caught 2 big fish. She caught an old shoe. She caught 4 little fish. She caught 1 more big fish. How many fish did she catch in all?

Max liked to ride his bike. It made him very happy. One day he rode 3 miles. The next day he rode 4 miles. The next day he rode 2 more miles. How many miles did he ride in all?

Write how much to subtract.

13  $\ominus$  2    11  $\ominus$  2    9Start with 13.Subtract 2. Repeat.10  $\bigcirc$     9  $\bigcirc$     8

Start with \_\_\_\_\_.

Subtract \_\_\_\_\_. Repeat.

12  $\bigcirc$     7  $\bigcirc$     2

Start with \_\_\_\_\_.

Subtract \_\_\_\_\_. Repeat.

12  $\bigcirc$     9  $\bigcirc$     6

Start with \_\_\_\_\_.

Subtract \_\_\_\_\_. Repeat.

9  $\bigcirc$     5  $\bigcirc$     1

Start with \_\_\_\_\_.

Subtract \_\_\_\_\_. Repeat.

13  $\bigcirc$     8  $\bigcirc$     3

Start with \_\_\_\_\_.

Subtract \_\_\_\_\_. Repeat.

Name: \_\_\_\_\_

There are seven witches. Four witches have brooms. How many witches do not have brooms?

Seven lizards were eating flies. Two went to sleep. How many lizards were still eating flies?

Adam planted 10 cherry trees. Justin planted 8 plum trees. How many trees did the two boys plant?

Double two.

$17 - \underline{\quad} = 13$

59,     ,     , 62,     ,  
    , 65

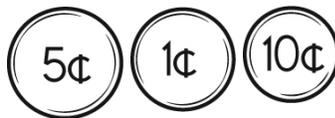
Jan found five pins on the table. Mary found seven pins on the table. How many pins did they find in all?

Mrs. Thompson put ten pecans on her cake. Then she put nine more pecans on the cake. How many pecans were on the cake?

Cindy is five years older than her little brother. He is seven years old. How old is Cindy?

	3
-	1
<hr/>	

How much is this?



39, 40,     ,     ,     , 44,

Name: \_\_\_\_\_

Max picked up 11 old cans. Kevin picked up 6 old cans. How many more cans did Max pick up?

Justin told two jokes. Jacob also told two jokes. Amy told six jokes. Connor told three jokes. Sarah told four jokes. All the jokes were very funny. Their friends laughed. Everyone was happy. How many jokes were told in all?

Adam looked at his summer shirts. He had six blue shirts. He had two red shirts. He had five white shirts. He had three green shirts. He had five black shirts. How many shirts did Adam have in all?

$15 + \underline{\quad} = 25$

59,     , 61,     , 63,  
    

	4
+	3
<hr/>	

Jim has three red trucks and seven blue trucks. He gave half of his trucks to Tim. How many trucks did he give to Tim?

There were 12 pieces of birthday cake. After the picnic there were 5 pieces of cake. How many pieces of cake were eaten?

Eric is so thankful for his books. He has 14 books. Max is so thankful for his books, too. He has 10 books. Eric has \_\_\_\_\_ more books than Max.

$18 - \underline{\quad} = 14$

What is ten more than 78?

What is ten less than 68?

Name: \_\_\_\_\_

Find 2 equations hidden in each box. Good luck!

8

$4 + 2$

3

$2 + 1$

10

12

$2 + 6$

13

Write 2 equations: \_\_\_\_\_

$4 + 6$

18

$5 + 1$

15

10

$1 + 3$

$1 + 2$

6

Write 2 equations: \_\_\_\_\_

$9 - 2$

$6 - 3$

1

$7 - 6$

7

5

Write 2 equations: \_\_\_\_\_

Name: \_\_\_\_\_

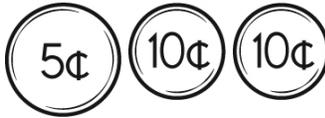
Anne ate four slices of pizza. Jason ate two slices of pizza. How many slices of pizza did Anne and Jason together eat altogether?

Jack had 5 rubber erasers. He gave Kevin 3 erasers. How many erasers does Jack have now?

How many dots on the bug?



How much is this?



How much is this?



Daniel has 7 friends. Chris has 12 friends. Which boy has an odd number of friends?

Paul Bunyan cuts down 4 trees. He cuts down 6 more trees. How many trees does he cut down?

There were nine pink bears on the shelf. Mrs. Miller put three more bears on the shelf. How many bears are on the shelf now?

17, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 21,  
\_\_\_\_\_, 23

B, F, J, \_\_\_\_\_, R, V, Z

I, G, J, H, K, I, L, J,  
\_\_\_\_\_, K

Mary did 5 math problems. Then she did 3 more problems. How many did she do in all?

Wendy has five birds. Emily has three dogs. How many more pets does Wendy have?

Robert is 2 years older than his best friend Gavin. Gavin is 8. How old is Robert?

Name: \_\_\_\_\_

Mrs. Young had 13 needles. She bought 5 more. How many needles does she have now?

Jason has four bathtub boats. Robert has three more boats than Jason has. Jack has four more boats than Robert has. How many boats does Jack have?

There were some marshmallows in the bag. Max ate 5. Alex ate 4. There are 13 marshmallows left. How many marshmallows were in the bag before Max and Alex ate some?

How many?



What is ten less than 55?

How many?



Kathleen had 12 pennies. She gave Molly 5 pennies. How many pennies did Kathleen have left?

Anna is losing her baby teeth. Last year she had 15 baby teeth. Three of her baby teeth fell out. How many baby teeth does she have left?

Jack went to the beach. He played in the sand. His father gave him 20¢ to buy a drink. He has 6¢ left. How much did he spend?

What is ten more than 63?

C, F, I, L, O, R,  
\_\_\_\_\_, X

How much is this?





Name: \_\_\_\_\_

Draw the missing spots in the patterns.

★ 4 ★ 7 ★ 5 ★ 4 ★ 7 ★ 5 \_ ★ 7 ★ 5 ★ 4 ★ 7 ★ 5 ★ 4

★ 6 ★ 0 ★ 6 ★ 6 ★ 0 ★ 6 ★ 6 ★ 0 ★ 6 ★ 6 ★ 0 \_ ★ 6



Draw your own patterns.

★ 8 ★ 0 ★ 4 ★ 1 ★ 8 ★ 0 ★ 4 ★ 1 ★ 8 ★ 0 ★ 4 ★ 1 ★ 8

ABCD pattern

--	--	--	--	--	--	--	--	--	--	--	--	--	--

Draw an ABB pattern.

--	--	--	--	--	--	--	--	--	--	--	--	--	--

Draw an AAB pattern.

--	--	--	--	--	--	--	--	--	--	--	--	--	--

Draw an ABC pattern.

--	--	--	--	--	--	--	--	--	--	--	--	--	--

Draw an ABAC pattern.

--	--	--	--	--	--	--	--	--	--	--	--	--	--

I drew an \_\_\_\_\_ pattern.

Name: \_\_\_\_\_

On Monday Miss Martin served 92 cups of yogurt. On Tuesday she served 73 cups of yogurt. How many more cups did she serve on Monday than she did on Tuesday?

Mr. Jackson poured 179 cups of orange juice. Then he poured 38 more cups of juice. How many cups of juice did he pour in all?

A Band-Aid costs 15¢. Write three ways Jack could have just 15¢.

There are 4 nests in the apple tree. There are 2 eggs in each nest. How many eggs are there in all?

How much is this?



Double four.

98, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_, 104

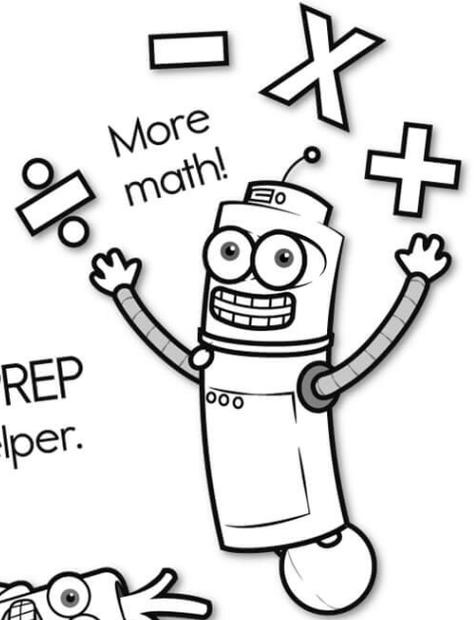
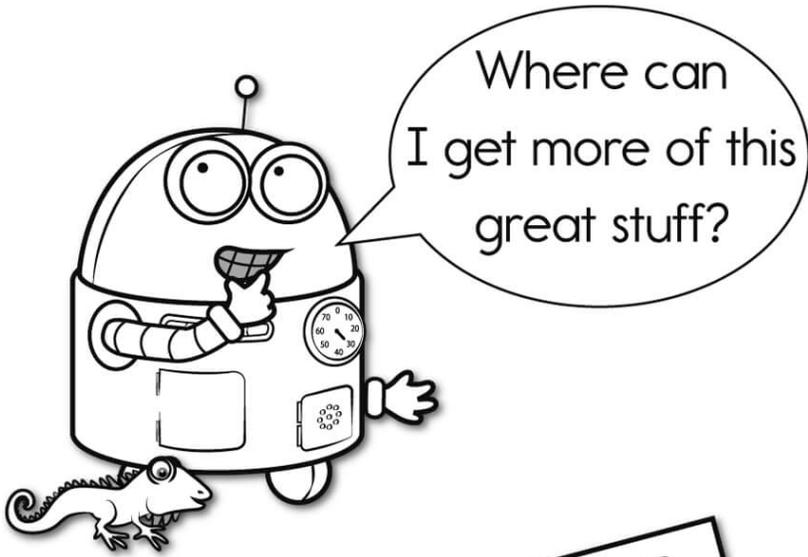
$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

57, \_\_\_\_\_, \_\_\_\_\_, 60, 61,

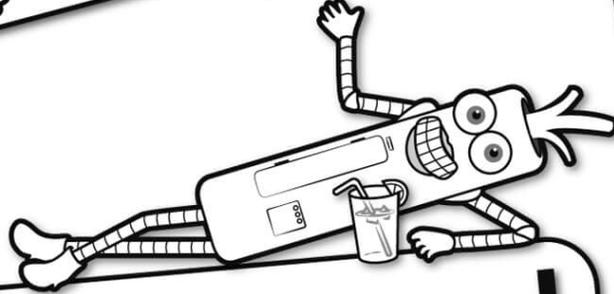
\_\_\_\_\_, \_\_\_\_\_

13, 15, 17, 19, 21,

\_\_\_\_\_, 25

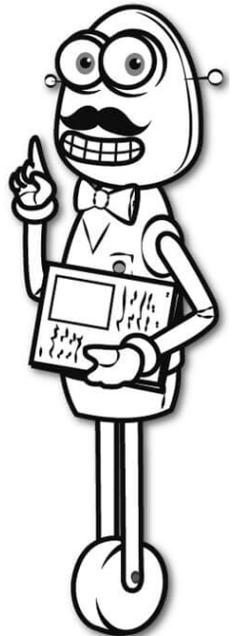


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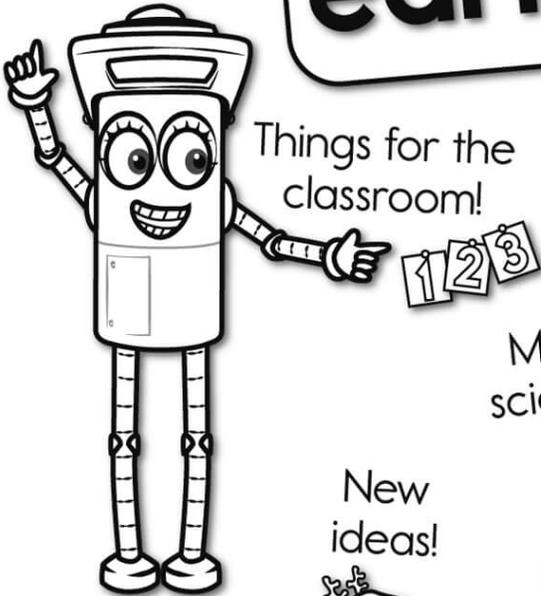


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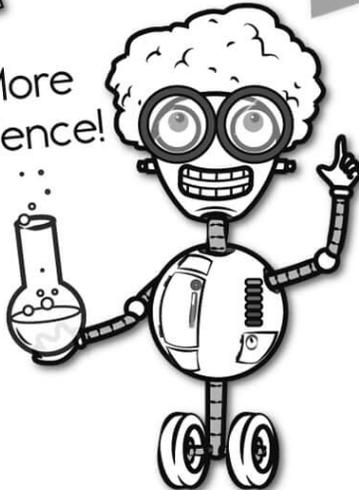
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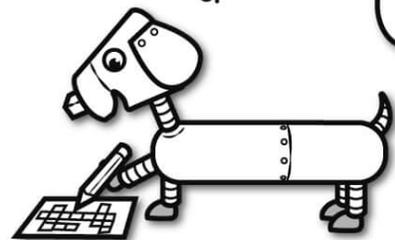
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