

65	-12		-19		+8		+14		-48	
----	-----	--	-----	--	----	--	-----	--	-----	--

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

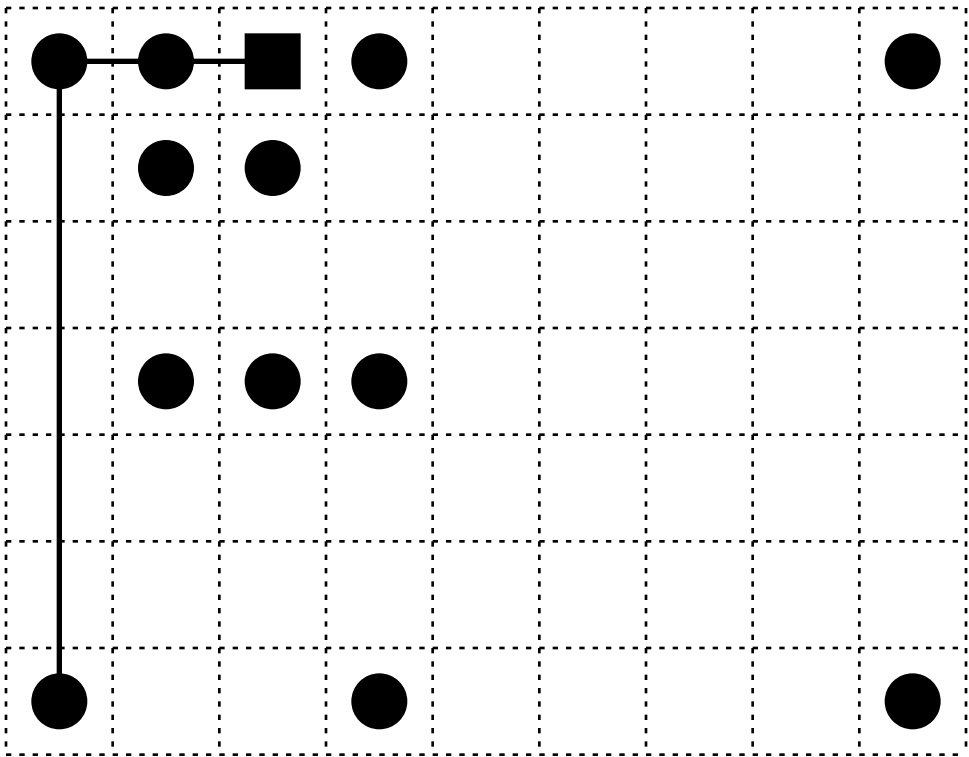
Challenge Math Book 24

23
+9
-63
-6
-13
+48
+7

+4
+47
-42
+37
-33
-16
5
+38



Start on the square. Draw exactly 10 lines without picking up your pencil to connect all the circles.



	-46		+40		-11		+30		-15	
--	-----	--	-----	--	-----	--	-----	--	-----	--

Name: _____

John won a gold and a silver medal. How many medals did he win?

Show your work.

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.

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

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

4 1 2 3

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

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

2 1 3 4

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

Hint - These numbers are missing:

1 2 3 2 3

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

Hint - These numbers are missing:

3 3 4 1 4

Name: _____

Fill in the missing numbers.

	1		
3	2	3	2
4		4	1
3		3	

Hint - These numbers are missing:

4 1 1 2 2 4

	3	1	4
1	4	2	
1	4	2	3

Hint - These numbers are missing:

3 1 2 2 4 3

	4	1		1
1		2		2
	4		3	

Hint - These numbers are missing:

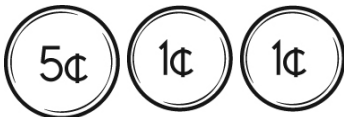
1 4 3 2 2 1 3

1	4	2		1
	3	1	4	
		2	3	

Hint - These numbers are missing:

4 1 3 2 2 1

How much is this?



A, D, G, J, M, _____, S,

V, Y

Circle all the ways to make 17.

$5 + 14$ $14 + 3$ $11 + 6$
 $12 + 5$ $14 + 2$ $10 + 7$

Name: _____

**FUN
BREAK!**

Play a game online!

edHelper.com/math-games.htm**I PLAYED
ONE
GAME**☐(Check the
box after
you play.)**MY SCORE**



It is 8:44 when Sara leaves her house. She arrives at school at 9:05. How much time has passed?

 5×5

5 ones, 6 tens, 8 thousands,
2 hundreds

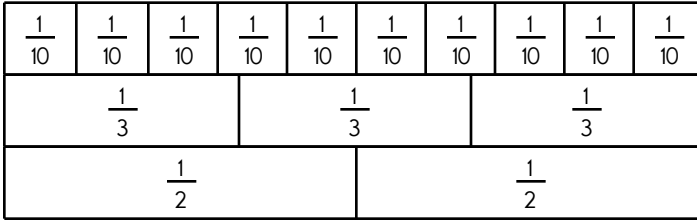
How many even numbers are there between 27 and 40?

A large town has a lot of people. Which number might make the most sense for the population?

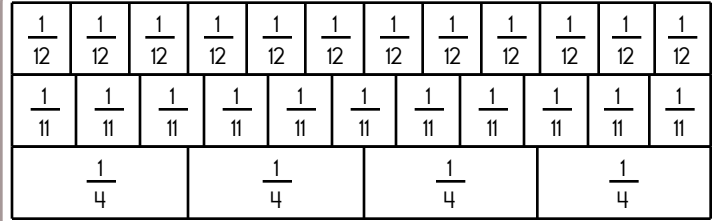
19
225
156
27,567
205,676

6, 8, _____, 12, 14, 16

Name: _____



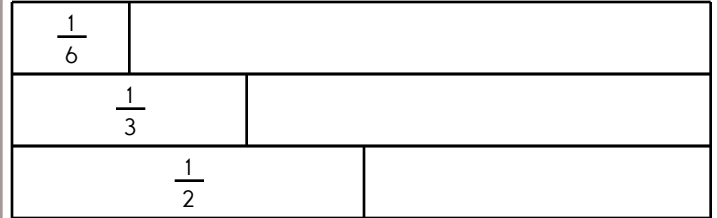
$$\frac{1}{\boxed{}} = \frac{5}{10}$$



$$\frac{1}{\boxed{}} = \frac{3}{12}$$



$$\frac{2}{3} = \frac{8}{\boxed{}}$$



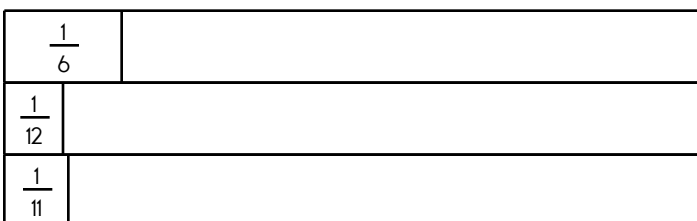
$$\frac{4}{6} = \frac{2}{\boxed{}}$$



$$\frac{3}{\boxed{}} = \frac{1}{2}$$



$$\frac{2}{\boxed{}} = \frac{1}{4}$$



$$\frac{4}{6} = \frac{8}{\boxed{}}$$



$$\frac{2}{\boxed{}} = \frac{6}{\boxed{}}$$

Name: _____

Ava loves birthday parties. "Who doesn't?" whispered Ava.

"I don't!" interrupted David. He is always interrupting. "And guess what? It's no one's birthday this month. So no birthday parties!! Whoo hoo."

David is so annoying, thought Ava. But she had a solution. "I'm only 7, but it's my half-birthday this month."

She will have a half-birthday party. How old will Ava be in years and months?

"How about we celebrate everyone's partial birthday?" asked Jenna.

"Awesome idea! How old will you be?" replied Ava.

"Well," said Jenna, "it has been 3 months since my 8th birthday. There are 12 months in a year, so I guess I'll have my 3/12 birthday."

What birthday, in years and months, will Jenna be celebrating?

Name: _____

Cross off the letter or number that does NOT belong.

3, P, P, e, e, 3, P, P, e, e, 3, P, P, e, e, 3, e, P

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

52, 66, 80, 94, 107, 108, 122

Why does _____ not belong in the pattern?

Name: _____

Cross off the letter that does NOT belong.

A, C, F, I, L, O, R, U, X

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

31, 39, 47, 55, 63, 71, 73, 79, 87

Why does _____ not belong in the pattern?

Name: _____

4×6

32 36 24 28

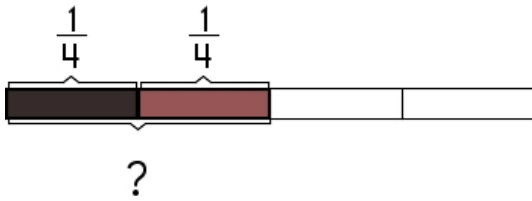
Skill: Multiply 6,7

6 tens + 7 ones =

67 670 70 13

Skill: Addition

What is $\frac{1}{4} + \frac{1}{4}$?



Skill: Fractions Challenge

Use mental math. Do it in your head and only write the answer!

$58 + 17 =$

80 65 105 75

Skill: Addition

_____ is 6 more than 36.

42 43 35 34

Skill: Numbers to 1,000

4×7

Skill: Multiply 8,9

What is 100 more than 6,840?

6,940 6,850 16,840
7,840

Skill: Place Value and Large Numbers

	3	5	6	8	1
+	1	3	7	1	8
<hr/>					

Skill: Whole Numbers and Place Value

Extra work area:

Name: _____

Sarah and Eric were busy playing their phones. Sarah knew what game she wanted to play.

"Emoji battle!" yelled Sarah.

"The emoji challenge is on," replied Eric.

Sarah immediately started typing as many emojis as she could. Click. She sent 36 emojis in 3 seconds.

As soon as Eric received the emojis he could start to reply. Would you believe he clicked emojis at the same speed as Sarah? He clicked for 5 seconds and sent the emojis.

How many emojis did Sarah receive?

Max was paying close attention. Without telling them, he created a message to both Sarah and Eric. He could type emojis at a rate of 22 per second. After 8 seconds he clicked send. How many emojis did Sarah and Eric each receive?

Draw a picture of your favorite emoji when you are done answering!

Name: _____

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

Mental Math



= Do it
in your
head!

imagine 6 in your head

subtract 5

add 8

Write the number.

_____ A

imagine 5 in your head

subtract 2

add 7

double it

Add the tens digit to the ones digit.

Write the sum.

_____ B

imagine 8 in your head

add 3

double it

Write the tens digit.

_____ C

imagine 4 in your head

add 2

subtract 5

Write the number.

_____ D

What is the sum?

$A + B + C + D$

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

_____ t _____ e _____

4 before 11 _____

9 after 16 _____

1 after 11 _____

9 before 17 _____

7 after 13 _____

8 after 18 _____

1 before 16 _____

5 after 12 _____

6 after 14 _____

8 before 18 _____

2 after 15 _____

3 after 19 _____

7 before 15 _____

4 after 17 _____

9 after 19 _____

Name: _____

Rosa's class made a list of peaceful ways to solve problems. They thought of 28 ways to avoid violence. Hunter's class made a list, too. They thought of 17 ways to avoid violence. How many more ideas did Rosa's class have than Hunter's class?

Sarah has 23 long books and 13 short books. How many books does she have in all?

Miss Allen made 54 ice cream cones. Of that number, 30 were chocolate. How many cones were not chocolate?

Emma read 28 pages of her book on Quiet Day. Her sister read 46 pages of her book. How many pages did the girls read in all?

The food service workers made 567 cupcakes last week. Round this number to the nearest hundred.

Rose wants to buy a cozy blanket for her sister's new baby. She has saved 13 quarters, 14 dimes, 12 nickels, and 35 pennies. How much has she saved in all?

Name: _____

Eric likes bad poems!
He copies bad poems
and puts them in a box
to read again and
again. The box is 2.1 ft
long and 1.1 ft wide.
What is the perimeter
of the box?

Ms. Clark built a low
fence around her
beehives. She used 42
feet of fencing. How
many yards of fencing
did she use?

Amanda bought 6
bags of licorice for her
friends. Each bag has 5
pieces of candy in it.
How many pieces of
candy were there in
all?

Rose put her 12 best
books on the 2 shelves
by her bed. She put
the same number of
books on each shelf.
How many books were
on each shelf?

It was Cheer Up the
Lonely Day. Holly made
an orange cake for
Mrs. Walker. She took it
to her house. Mrs.
Walker cut the cake
into 10 pieces. She and
Holly each ate 1 piece.
What fraction of the
cake was left?

Jenna has 60
marshmallows. She
arranged them in 6
groups so that each
group has the same
number of
marshmallows. How
many marshmallows
are in each group?

$8 + \boxed{} = 17$

$13 + \boxed{} = 16$

$18 + \boxed{} = 20$

$11 + \boxed{} = 13$

$4 + \boxed{} = 8$

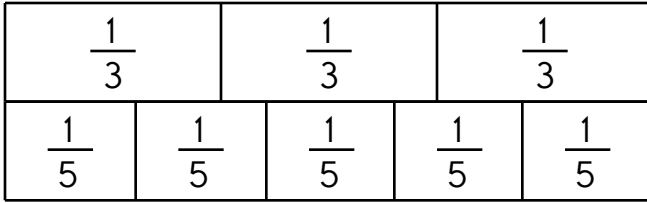
$9 + \boxed{} = 23$

$20 + \boxed{} = 27$

$16 + \boxed{} = 22$

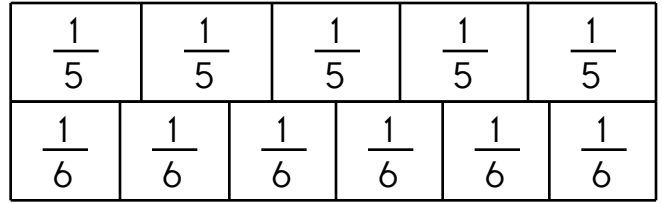
Name: _____

Color each fraction. Compare.



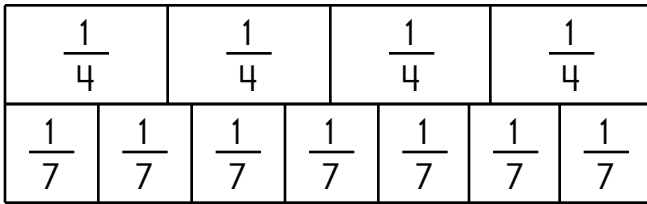
$$\frac{2}{3} \bigcirc \frac{3}{5}$$

Color each fraction. Compare.



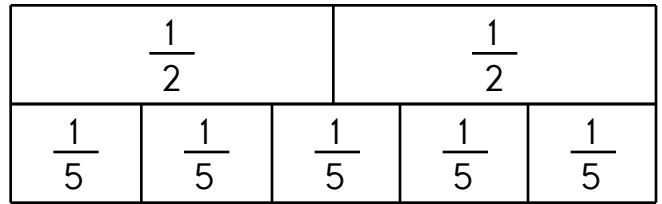
$$\frac{1}{5} \bigcirc \frac{2}{6}$$

Color each fraction. Compare.



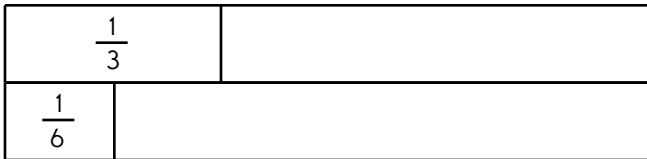
$$\frac{2}{4} \bigcirc \frac{1}{7}$$

Color each fraction. Compare.



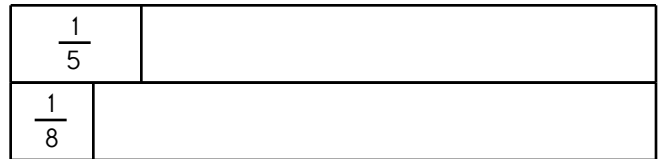
$$\frac{1}{2} \bigcirc \frac{2}{5}$$

Now draw the fraction boxes and then color each fraction to compare.



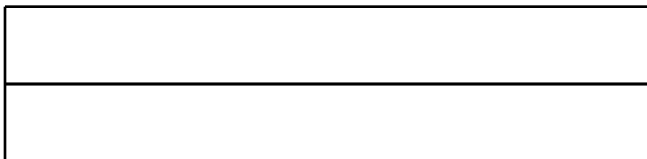
$$\frac{1}{3} \bigcirc \frac{4}{6}$$

Now draw the fraction boxes and then color each fraction to compare.



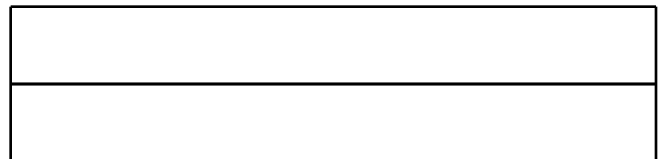
$$\frac{4}{5} \bigcirc \frac{4}{8}$$

Now draw the fraction boxes and then color each fraction to compare.



$$\frac{3}{4} \bigcirc \frac{2}{6}$$

Now draw the fraction boxes and then color each fraction to compare.



$$\frac{1}{2} \bigcirc \frac{2}{4}$$

Name: _____

Use these numbers to make an equation.

6 8 6

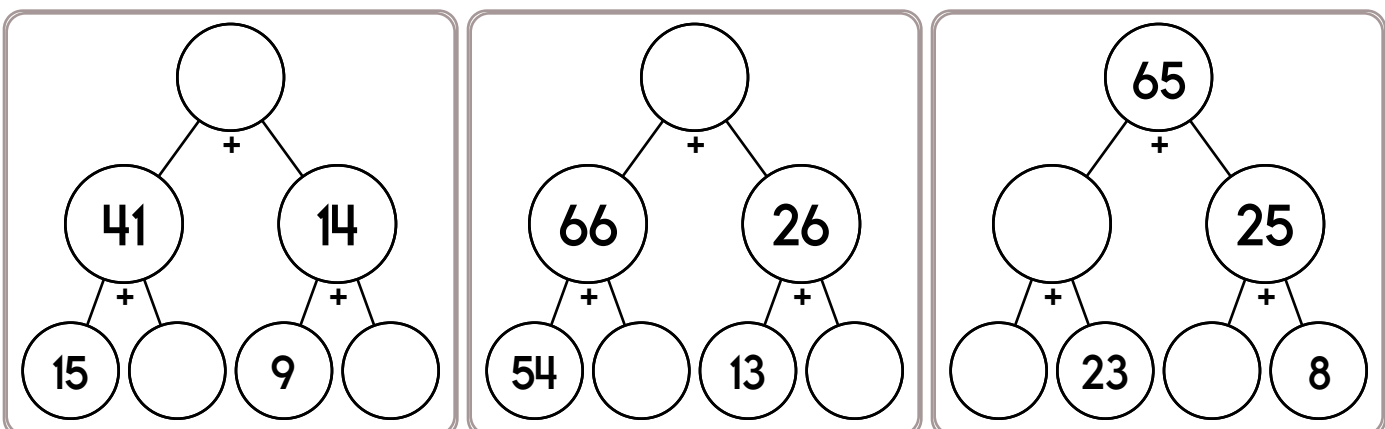
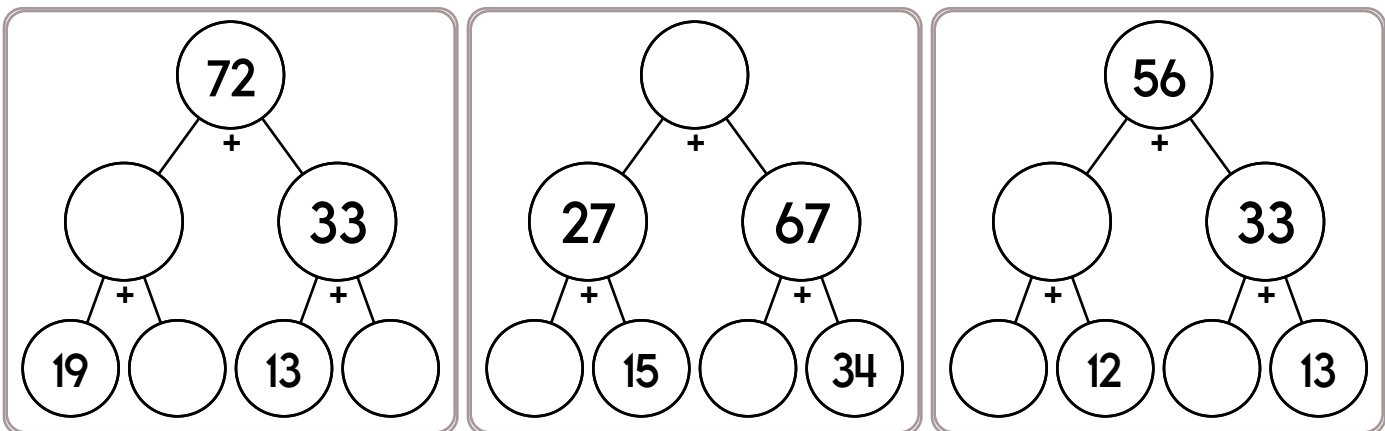
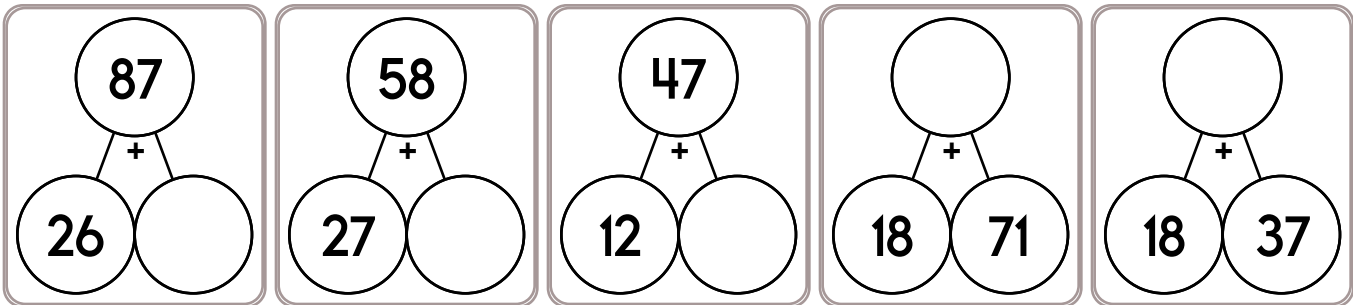
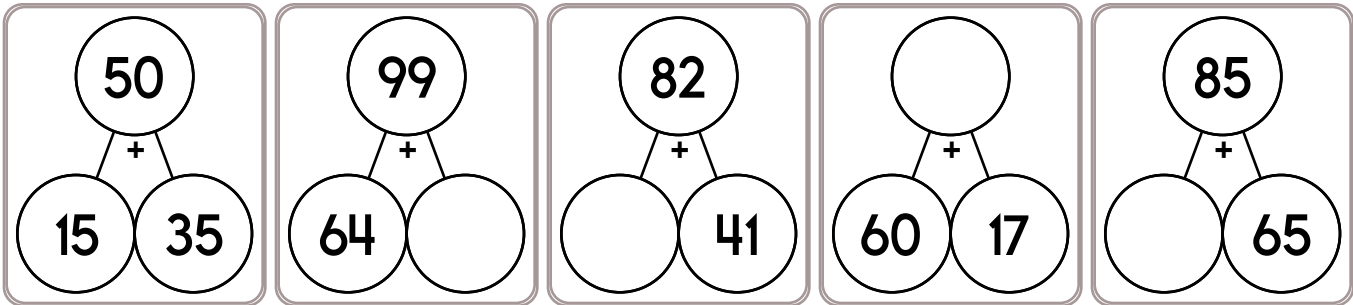
$$\underline{\quad} + \underline{\quad} \underline{\quad} = 92$$

1 3 8

$$\underline{\quad} + \underline{\quad} \underline{\quad} = 84$$

Emily and Maria have a playdate at the indoor swimming pool. They did laps to get ready for the summer swim team. Emily did a lap every 2 minutes. Maria did 2 laps every 3 minutes. After 35 minutes who finished the most laps? Do not count partial laps. By how many more?

Name: _____



$$\begin{array}{r} 8,708,503 \\ - 4,935,008 \\ \hline \end{array}$$

Find the difference
between 358 and 113.

$$9 + 5 + 7 + 5 =$$

Name: _____

**FUN
BREAK!**

Play a game online!

edHelper.com/math-games.htm**I PLAYED
ONE
GAME**☐(Check the
box after
you play.)**MY SCORE**



2 less than 672

Circle the number that is
smallest.

80,060 80,006

80,600 86,000

If you know
 $88 + 24 = 112$
Then what is $88 + 23$?

57, 76, _____, 114, 133, 152

	7	9
+		4
<hr/>		

Circle the number that is
smallest.

10,100 11,000

10,001 10,010

$1 + 2 =$

$10 - 6 =$

$5 - 1 =$

$7 + 9 =$

☐

I did page 18

☐I decided to skip this page
edHelper

Name: _____

Draw a line from START to END.

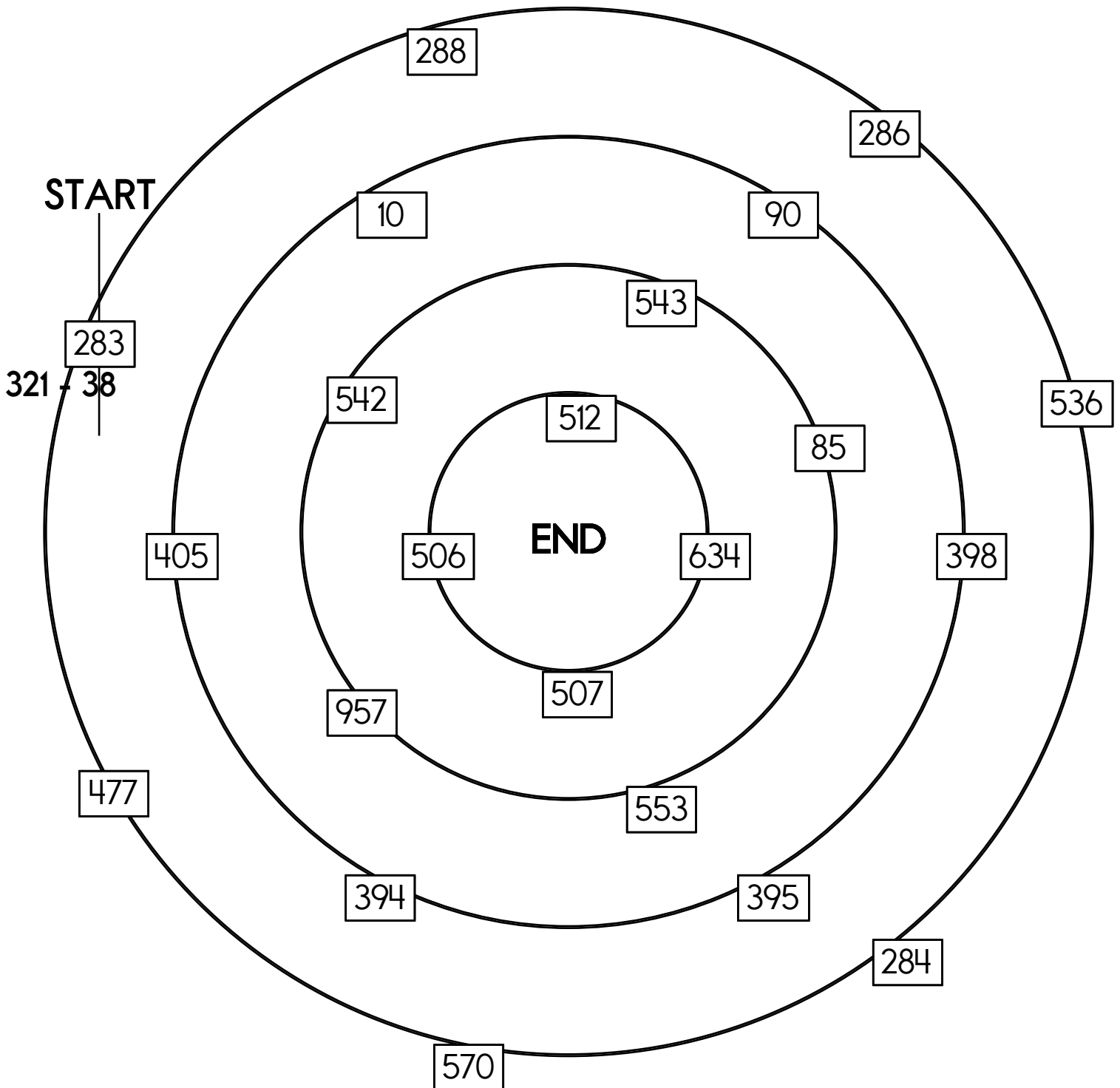
~~$321 - 38$~~

$497 + 45$

$364 + 30$

$485 + 21$

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



Name: _____

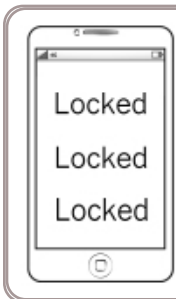
The thousands place is the value of a nickel and three pennies.

The tens place is the missing number from this pattern:

____, 8, 12, 16

The hundreds place is 7.

Write the sum of 6 and 3 in the ones place.



Help! Your phone is locked. Use the clues above to unlock it. Good luck!

____, ____ ____
is the code to unlock

Double Check

The sum of the numbers in your unlock key should be 28.
Is it? Show your work to double check that your unlock
key is correct.Fill in the blanks with
these numbers:

5, 5, 5

$$\begin{array}{r} \boxed{} 8 \\ - \boxed{} \boxed{} \\ \hline 3 \end{array}$$

Fill in the blanks with
these numbers:

7, 4, 5

$$\begin{array}{r} \boxed{} \boxed{} \\ - 6 \boxed{} \\ \hline 1 1 \end{array}$$

$$\begin{array}{r} 83 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 40 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ - 13 \\ \hline \end{array}$$

$$4 + \boxed{} = 12$$

$$4 + \boxed{} = 7$$

Write an addition number
sentence using the numbers 5,
4, and 9.

Add an apostrophe to the
word that shows possession.Our dogs paws are dirty. He
was digging up his buried bone.

$$\begin{array}{r} 73 \\ + 25 \\ \hline \end{array}$$

Name: _____

In nine hours it will be midnight. What time is it now?

$$\begin{array}{r} 336 \\ + 62 \\ \hline \end{array}$$

3 hundreds, 9 tens

A teacher arranges desks. She puts 5 desks in each row. There are 4 rows. How many desks are there?

$$\begin{array}{r} 269 \\ - 72 \\ \hline \end{array}$$

$4 - 1 - 2 + 1 + 6$

Find a clock. What time is it right now?

How many hours are there from 7 a.m. to 9 p.m.?

3 ones, 7 hundreds, 6 thousands

Maria has a bowl. She puts 8 nickels into the bowl. Robert sees the bowl and takes some nickels out. The bowl now has 15 cents in it. How many nickels did Robert take?

Circle the even numbers.

58 50 51 84

79 76 73 65 72

67 49 30 82

$4 - 3 + 6 - 2$

Name: _____

Make your own
equation.

$$\underline{\quad} + 5 = \underline{\quad}$$

double 30

Write an even number.

$$5 + 6 - 6$$

Round 72 to the nearest 10.

	5	8
-		7
<hr/>		

Make your own
equation.

$$\underline{\quad} - 3 = \underline{\quad}$$

double 400

20, 25, 30, 35, 40, 45,

_____, 55, 60

The party is at 4 p.m. In
only 14 minutes the party
starts. What time is it right
now?

Wendy has a bowl. She
puts 9 dimes into the bowl.
Nathan sees the bowl and
takes some dimes out. The
bowl now has 40 cents in it.
How many dimes did
Nathan take?

Circle the three numbers
whose sum equals 22.

6	3	7
6	3	12

Name: _____

	5	4
X		6
<hr/>		

	3	5
X		8
<hr/>		

	1	3
X		9
<hr/>		

	8	0
X		5
<hr/>		

	9	6
X		6
<hr/>		

	4	6
X		5
<hr/>		

	4	9
X		2
<hr/>		

	3	7
X		3
<hr/>		

	6	1
X		6
<hr/>		

	7	1
X		8
<hr/>		

	2	6
X		5
<hr/>		

	1	1
X		3
<hr/>		

	6	5
X		5
<hr/>		

	5	3
X		9
<hr/>		

	3	0
X		8
<hr/>		

	9	1
X		2
<hr/>		

	7	8
X		9
<hr/>		

	6	2
X		3
<hr/>		

	1	9
X		8
<hr/>		

	5	7
X		4
<hr/>		

	1	6
X		2
<hr/>		

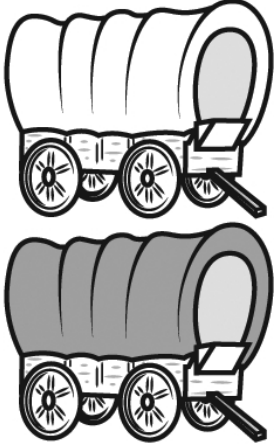
	5	3
X		6
<hr/>		

	3	5
X		3
<hr/>		

	8	9
X		8
<hr/>		

	5	7
X		3
<hr/>		

Name: _____



The Jackson and Smithe families are heading West. They can move in any direction- vertically, horizontally, or diagonally. With each move they must skip over one square and land on the next. They can't land on the squares with cacti. Fill in the blank squares below to complete each path.

139	20		19	23	121	34	40	17	35	6	24
	12	27	4	33	28	13	22	37	16		15
132	31	32	36	18		39	41	8	30	42	47
138	52	1	43	26	56	25	29	70	51	14	57
131		60	55	71	53	44	7	54	63	66	62
	64	48	68	46	5	72	50	45	59	79	75
140	85	80	49	83	65	95		69	21	67	
129	81		86	96	93	89	94	10	87	74	84
126	97	76	98	73	102	88	101	92	105	82	100
	11	103	111	90	104	91	61	108	99	106	107
134	110	123	114	124	117	116	112	115	113	118	109
119	120		128		122	135	136	125	133		127



1

89



14

74

10



138

96

135



13

70

45

106



33

26

91

135



72

103

91

108



©edHelper

Name: _____

Alex has 30 peanuts. He put them in groups. If he put 6 peanuts in each group, how many groups did he have?

Sara put daffodils and daisies in a vase. She put nine more daffodils than daisies in the vase. There are twenty-five flowers in all. How many daisies are in the vase?

David and Erin have the same amount of money. David has 12 nickels and 7 dimes. If Erin has 6 dimes, then how many nickels does she have?

How old is John? All you know is that his age is a two-digit number in which the sum of the tens and ones is 13. Can you list three different possible ages?

Name: _____

Connor and Nathan didn't want to do anything on National Goof Off Day. They looked at the sky. They looked for cloud pictures and counted birds. Connor counted 117 birds. Nathan counted 92 birds. They got bored. They went inside to play a game. How many birds did they count in all?

The cafeteria workers are making sandwiches for all the students at Martin Primary School. There are fifty-nine students in kindergarten, one hundred forty-seven students in first grade, one hundred ten students in second grade, and fifty students in third grade. Ten students are absent from school today. There are a total of nineteen teachers at the school. If the workers make one sandwich for each student at school today, how many sandwiches will they make?

Scrooge counted his gold. There were thirteen thousand, four hundred fifty-six coins. Write the number of coins he had in standard notation.

Ava has 9 tomato plants. Each plant has 5 tomatoes on it. How many tomatoes are there in all?

Justin put 5 pieces of green pepper on each slice of pizza. There are 15 slices of pizza. How many pieces of pepper did he use?

$11 - 3 = \boxed{}$

$11 - 5 = \boxed{}$

$2 + 9 = \boxed{}$

$7 - 5 = \boxed{}$

☐

I did page 26

☐I decided to skip this page
edHelper

Name: _____

Draw 8 small circles.
Then cross off one-fourth of the circles.

How many circles did you cross off?

Draw a circle to represent a pizza.
Divide the pizza into 6 equal parts to
represent pizza slices.
If you wanted to eat half of the pizza, how
many slices would you eat?

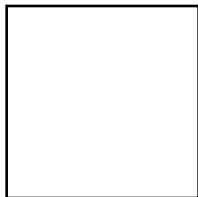
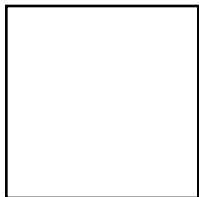
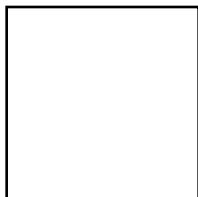
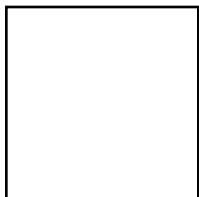
Draw a bar model to show this equation.
Then write the answer.

$$\frac{2}{5} + \frac{1}{5} = \underline{\hspace{2cm}}$$

Draw a bar model to show this equation.
Then write the answer.

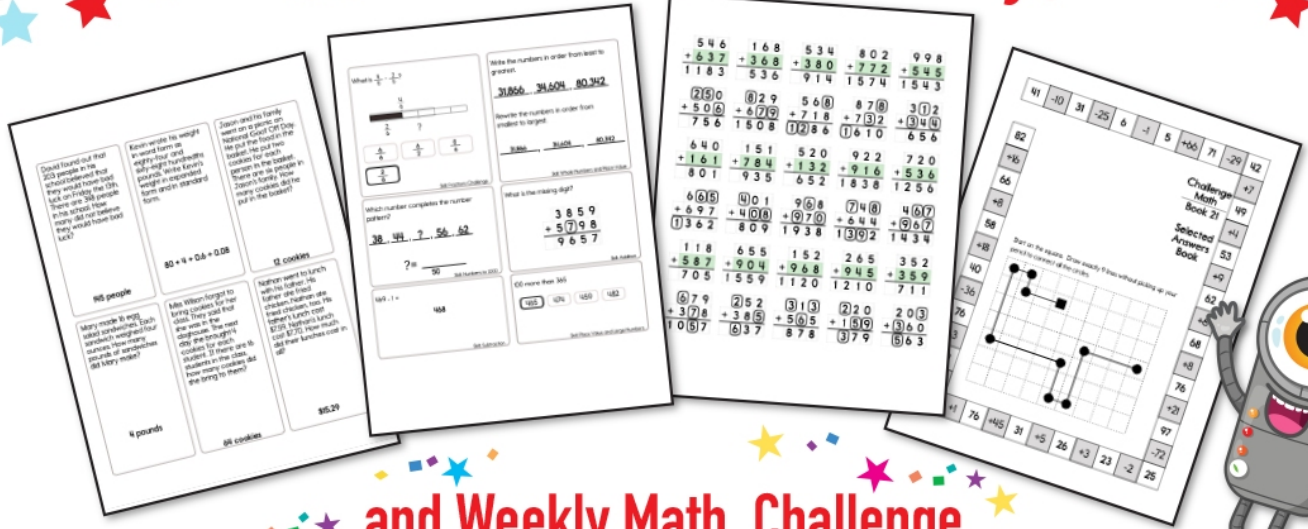
$$\frac{3}{4} - \frac{1}{4} = \underline{\hspace{2cm}}$$

Show 4 different ways to divide each
square into 2 equal parts.

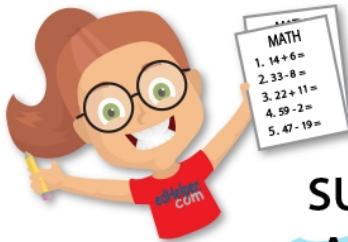


Draw pictures to show if one-fifth is less
than or greater than one-fourth.

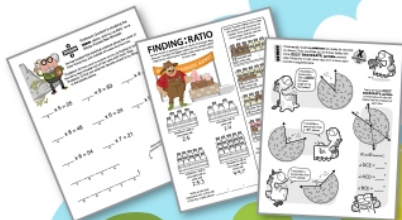
Subscribe to Get Answer Keys



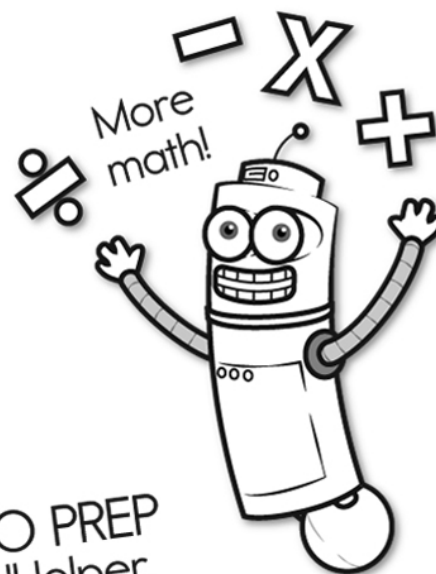
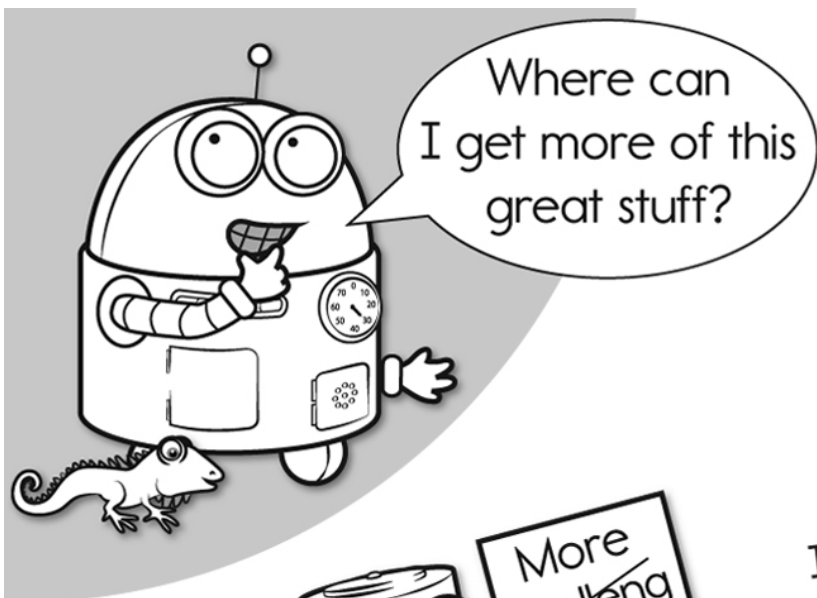
and Weekly Math, Challenge
Workbooks, Posters, Daily Reading,
and so much more!



SUBSCRIBE TO RECEIVE EVEN MORE
Answer Keys • Effective Activities • Access
to as many printables as you need!



edHelper.com

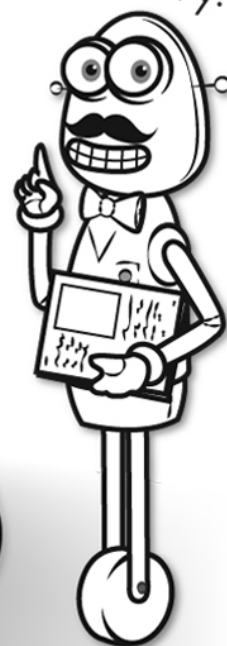


It's NO PREP at edHelper.

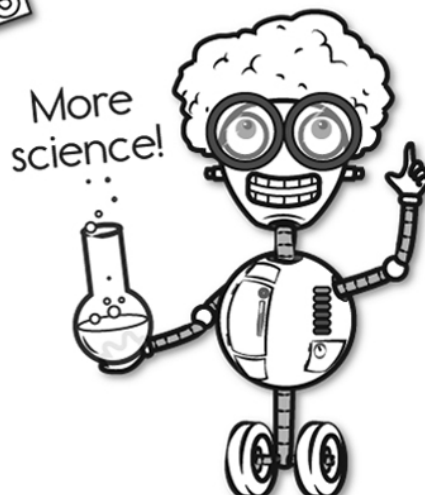
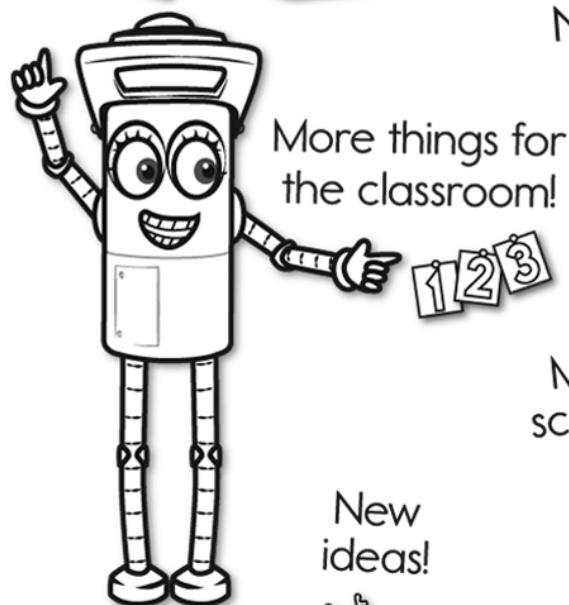
More history!



edHelper.com!



New online math games!

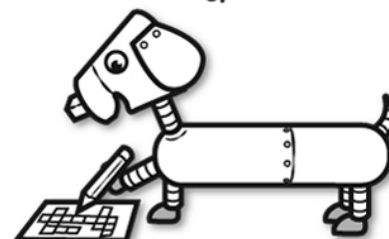


New ideas!



x
+ =
- ÷
< >

More puzzles!



edHelper

Easy to print!

Weekly K-6
"Take It Home"
Books

Kids want choices for homework. "Take It Home" books have fun graphics and challenging puzzles and problems for older kids.

Homework
will never be
the same!

edHelper.com

"Dr. Programmer" challenges kids..