

96	-37		+4		-46		+24		-19	
----	-----	--	----	--	-----	--	-----	--	-----	--

Name: _____

Pick 22 to do:

☐ 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

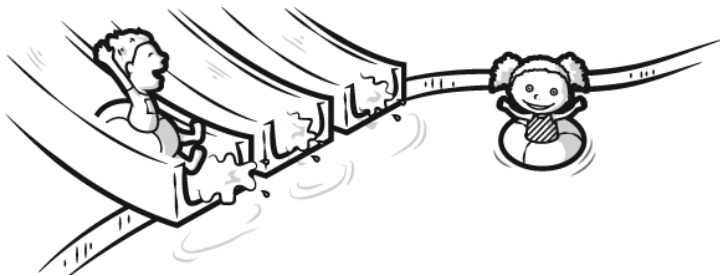
☐ page 5
 ☐ page 10
 ☐ page 15
 ☐ page 20

Skip 2 pages.

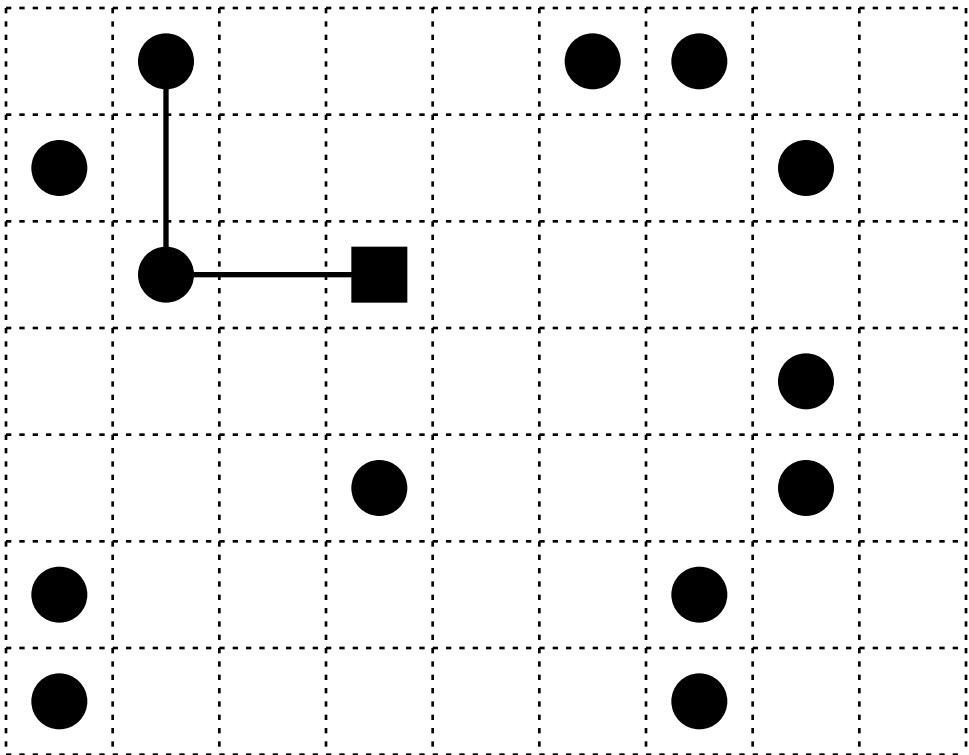
Challenge Math Book 42

26
+1
-62
+3
+14
-15
+42

+32
+16
-9
+2
-34
+3
32
+5



Start on the square. Draw exactly 9 lines without picking up your pencil to connect all the circles.



	+7		-6		-8		+1		+12	
--	----	--	----	--	----	--	----	--	-----	--

Name: _____

Hunter and Jason planted pumpkins to sell to people for their autumn celebrations. Their garden has 5 sides. The sides measure 7 feet 9 inches, 9 feet 3 inches, 6 feet 7 inches, 5 feet 3 inches, and 8 feet 5 inches. What is the perimeter of their garden?

There are 64 students in third grade. There are 19 students in Miss Bell's class. There are 22 students in Mr. Edison's class. The rest of the students are in Ms. Lovell's class. How many more students are there in Ms. Lovell's class than Miss Bell's class?

Anna collects squishies. Before she started getting serious about collecting, she only had 5 of them. But now she has 24 squishies. She ordered 9 really big squishies online. They should be delivered next week on her birthday. And guess what? Next week on her birthday, she invited 5 friends over for a slumber party. In the invitation she said, "No gifts. Just give me 3 squishies."

On the day after her birthday, how many squishies will Anna have?

Can you name the mystery three-digit number?

One of the digits is 3.

If you multiply the first and the last digits, the product is 18.

The second digit is 3 more than the first digit.

If you add the first and the second digits, the sum is 12.

Name: _____

Draw a line from START to END.

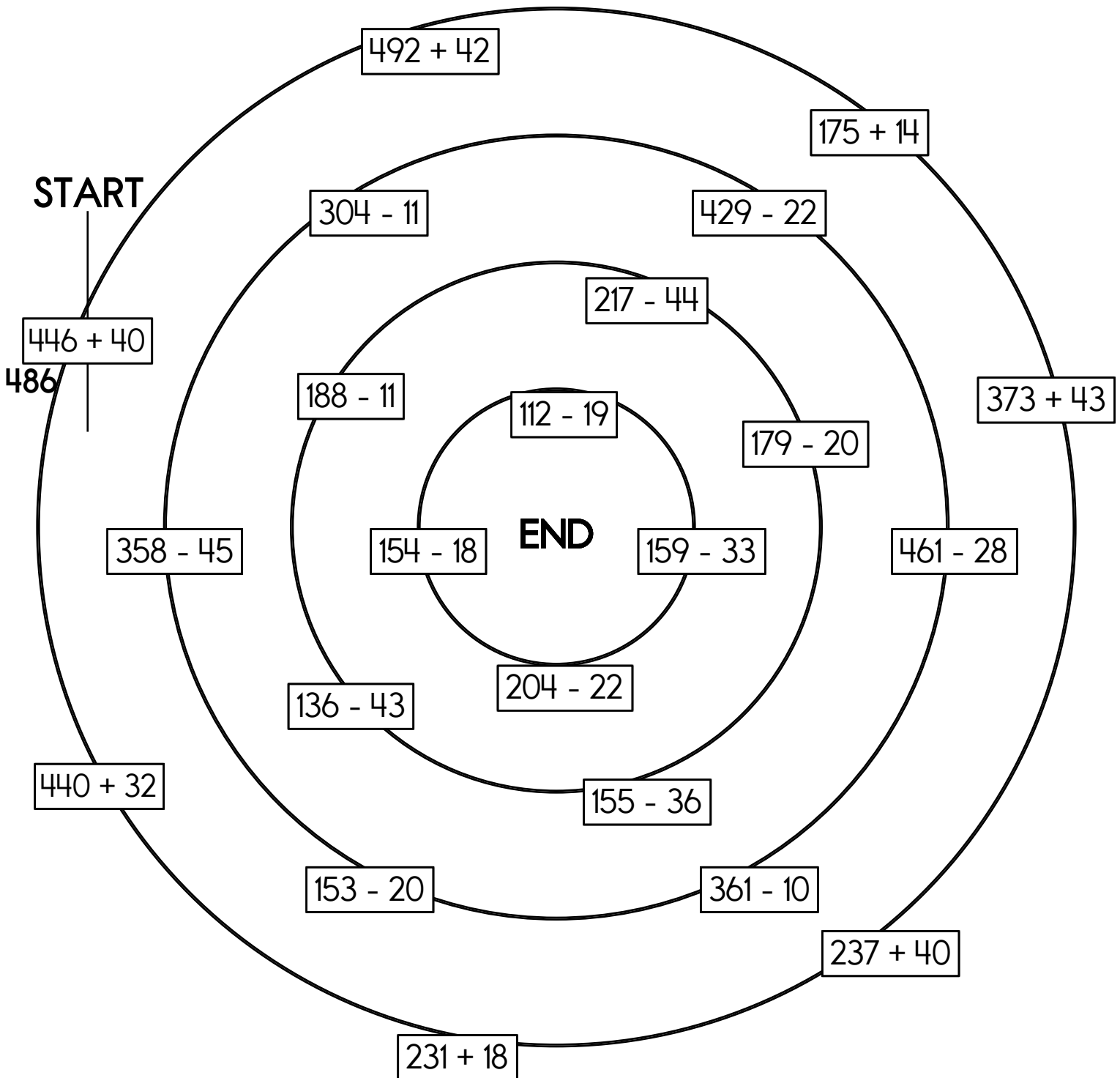
182

119

133

~~486~~

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



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 8 in your head

subtract 4

add 3

Write the number.

A

imagine 7 in your head

subtract 2

add 5

subtract 3

Write the number.

B

imagine 2 in your head

add 4

double it

Write the tens digit.

C

imagine 7 in your head

subtract 4

add 6

add 5

Add the tens digit to the ones digit.

Write the sum.

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?

_____y_____

2 after 14 _____

3 before 13 _____

3 after 12 _____

9 after 11 _____

4 before 16 _____

1 after 19 _____

6 after 18 _____

5 before 12 _____

5 after 17 _____

4 after 13 _____

7 before 19 _____

7 after 15 _____

8 after 16 _____

9 before 14 _____

1 after 12 _____

Name: _____

Sara was with her mom in the parking lot at the mall. Guess what? They couldn't find their car!

"Hmm," Sara texted her friend. "The parking lot is full. There are 3 rows of cars and each row has 5 cars."

"How can you NOT find your car? That's not many cars," replied Jen.

"Yeah, but they are all the same type of car. AND they are all blue. Weird. This is like a bad dream," replied Sara.

"That's not possible," replied Jen. "I bet they all have four tires."

Jen was correct. All the cars had four tires. How many tires were in the parking lot? Bet you can't figure THAT out! Good luck!

Show your work.

Name: _____

**FUN
BREAK!**

Play a game online!

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



$5 - 3 + 2 + 3$

$4 - 2 + 6 + 6 - 6$

$6 \times \underline{\quad} = 48$

$8 - 3 + 3$

Make your own
equation.

$\underline{\quad} \times 3 + 9 = \underline{\quad}$

	2	6	8
-		1	2

$14 + \boxed{\quad} = 17$

$18 + \boxed{\quad} = 39$

$16 + \boxed{\quad} = 36$

$17 + \boxed{\quad} = 26$

Name: _____

Amy and Jason each ordered a pizza pie at CC's Pizza. CC's pizza is special in that they don't cut the pie into slices, you have to do that! When Amy got her pie she cut it into 6 slices. Jason decided to cut his into 4 slices.

If Amy ate 2 slices and Jason ate 3 slices, who ate more?

Rose and Jessica have a playdate at the indoor swimming pool. They are doing laps to get ready for the summer swim team. Rose does a lap every 3 minutes. Jessica does 3 laps every 10 minutes. After 25 minutes who has completed the most laps? By how many more?

☐

I did page 7

☐I decided to skip this page
edHelper

Name: _____

Get a fidget spinner! Spin it.

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

$$\begin{array}{r} 23 \\ + 2 \\ \hline \end{array}$$

5, 8, 5, 8, _____, 8, 5,
8, 5, 8

119, 136, _____, 170, 187,
204, 221, 238

How many?



$$\begin{array}{r} 46 \\ - 4 \\ \hline \end{array}$$

How many?



Sarah has nine tickets to the middle school play. She gave Wendy a ticket. She gave three tickets to Amy. How many tickets does Sarah have left?

$26 = \underline{\hspace{1cm}} \text{ tens} + \underline{\hspace{1cm}} \text{ ones}$
 $11 = \underline{\hspace{1cm}} \text{ ten} + \underline{\hspace{1cm}} \text{ one}$
 $85 = \underline{\hspace{1cm}} \text{ tens} + \underline{\hspace{1cm}} \text{ ones}$
 $70 = \underline{\hspace{1cm}} \text{ tens} + \underline{\hspace{1cm}} \text{ ones}$

There were seventeen kids on the playground. Five of them came inside to read. How many kids are still on the playground?

Write this number:
8 thousands, 7 tens, 3 ones

Write this number:
7 tens, 5 ones, 4 thousands,
8 hundreds

If you know
 $75 + 22 = 97$
Then what is $75 + 20$?

☐

I did page 8

☐I decided to skip this page
edHelper

Name: _____

Spin again.

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

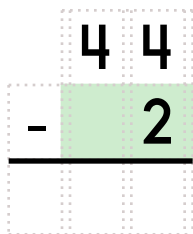
Pam started school with 9 pencils in her desk. She counted her pencils. She only has 4. How many pencils has she used?

How many dots on the bug?



Amy loves reading. She read 2 books this month. She plans to read 11 more. How many books will she read this month?

H, J, L, N, P, _____, T,
V, X, Z



$$5 + 1 = \underline{\quad}$$

$$15 + 1 = \underline{\quad}$$

J, _____, K, N, L, Q,
M, T, N, W

F, F, W, 9, 3, F, F, W,
9, 3, F, F, W, 9,
_____, F, F

Emily took an empty half gallon milk carton and filled it with jelly beans. Write a number to estimate how many jelly beans are in the milk carton.

15, 17, 19, _____, 23, 25

Circle the number that is largest.

8,040 8,004

8,400

double 60

Name: _____



3 less than 743

Make your own
equation.

___ - 4 = ___

	4	7	9
+		7	9
<hr/>			

Anna has a bowl. She puts 7 nickels into the bowl. Jason sees the bowl and takes 5 nickels. How much money (in cents) is left in the bowl?

Fill in the missing
addition or subtraction
operations.

$7 \text{ } ___ \text{ } 5 \text{ } ___ \text{ } 1 = 11$

$4 \text{ } ___ \text{ } 3 \text{ } ___ \text{ } 3 = 4$

Hannah is four years younger than her older sister, Maria. Maria is sixteen years old. What is the sum of their ages?

☐

I did page 10

☐I decided to skip this page
edHelper

Name: _____

$$9 + 2 - 2 - 6 + 6$$

10, 15, 20, 25, 30, 35,
_____, 45

3 less than 563

Anne has a bowl. She puts 7 dimes into the bowl. Alex sees the bowl and takes some dimes out. The bowl now has 50 cents in it. How many dimes did Alex take?

Pam has a bowl. She puts 10 nickels into the bowl. Jack sees the bowl and takes some nickels out. The bowl now has 40 cents in it. How many nickels did Jack take?

Maria has a bowl. She puts 23 pennies into the bowl. Hunter sees the bowl and takes 8 pennies. How much money (in cents) is left in the bowl?

It is 8:49 when Sarah leaves her house. She arrives at school at 9:08. How much time has passed?

$$9 + 1 - 1$$

	7	9
-		9
<hr/>		

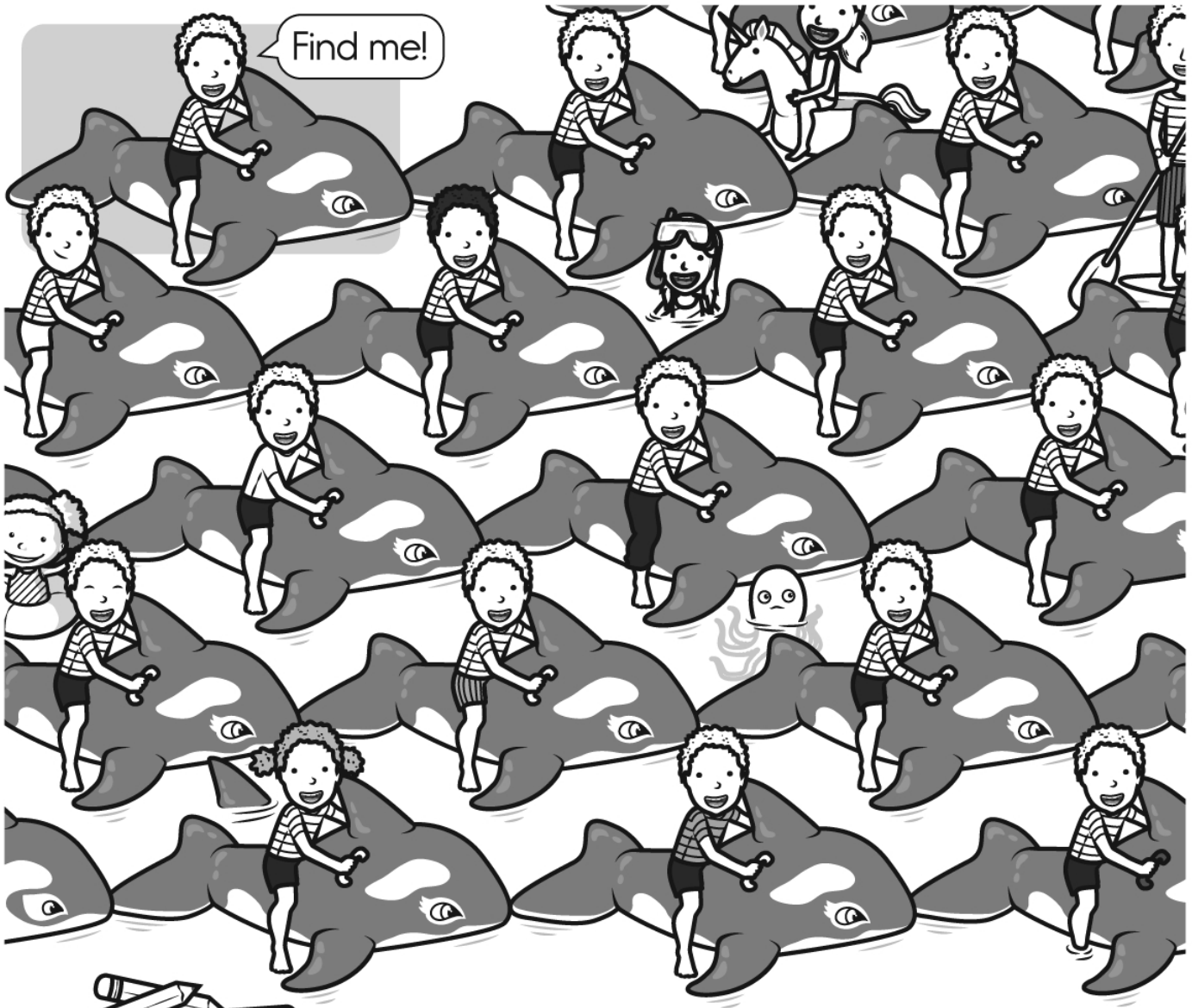
Make your own equation.

$$___ + 5 = ___$$

If you know
 $75 + 32 = 107$
Then what is $75 + 31$?

A, F, K, _____, U, Z

Name: _____

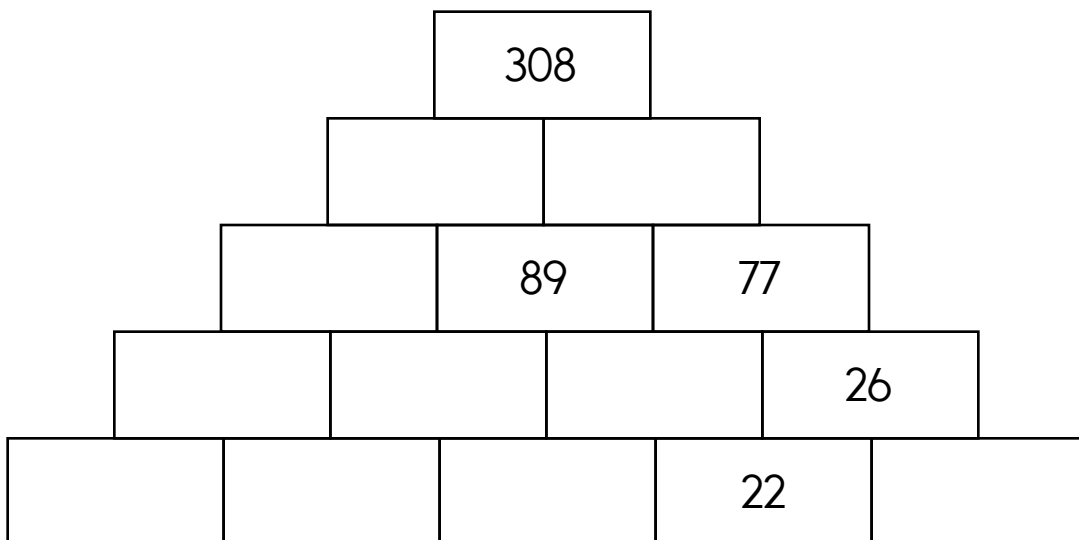
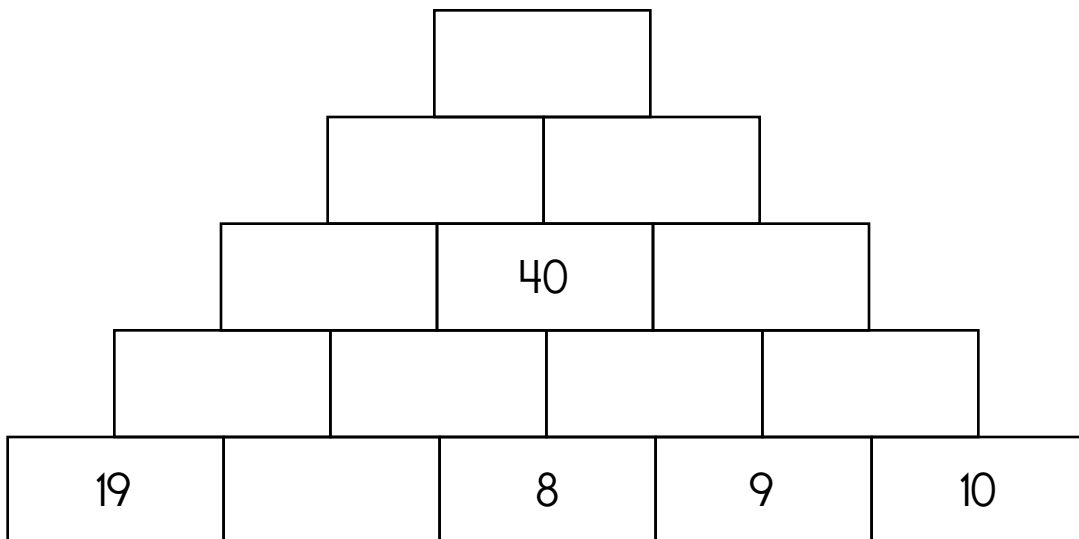
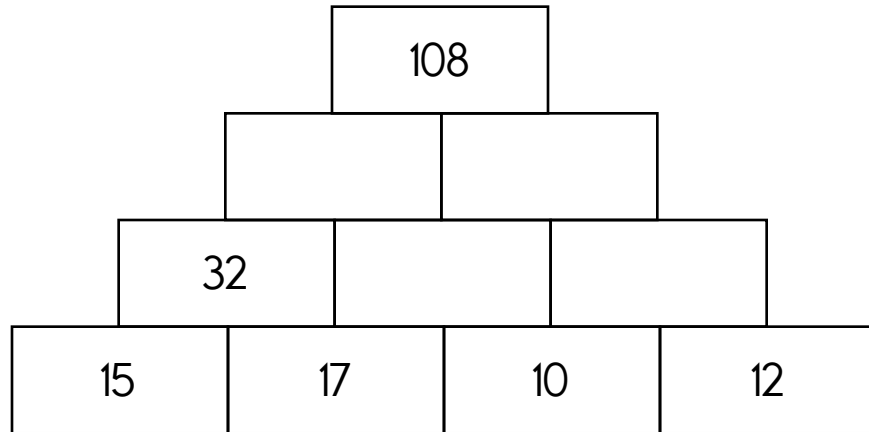


Draw and Color
My favorite frozen treat:



Name: _____

The block above is the sum of the two blocks below. Fill in the missing blocks.

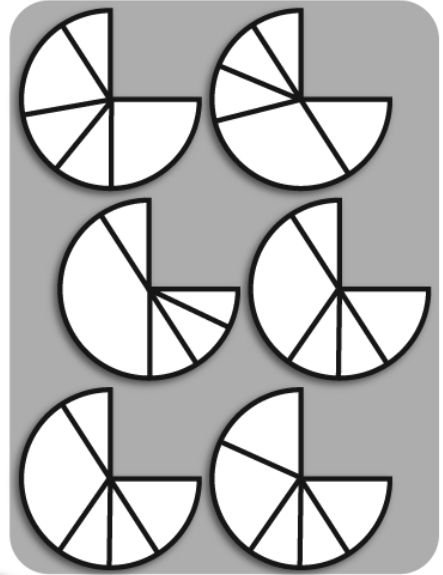
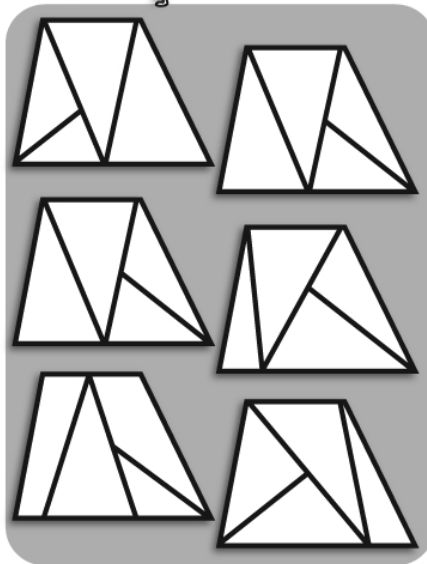
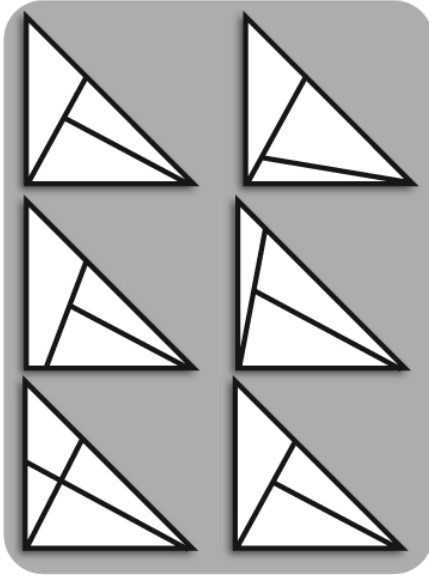


$4 \times 3 =$ <input style="width: 50px;" type="text"/>	$17 - 8 =$ <input style="width: 50px;" type="text"/>	$3 \times 4 =$ <input style="width: 50px;" type="text"/>	$4 - 2 =$ <input style="width: 50px;" type="text"/>
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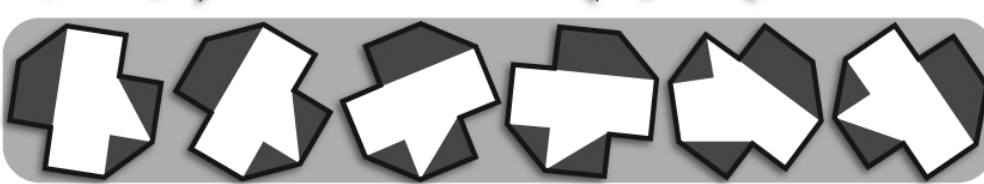
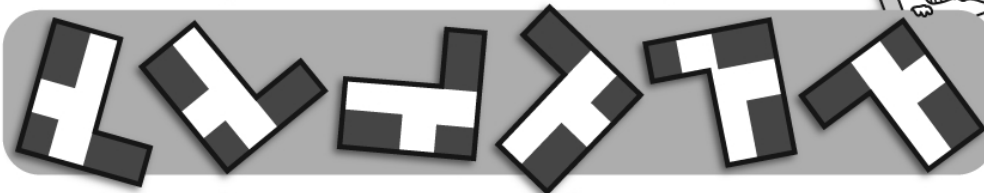
Name: _____

Circle the two figures that are the same in each group.

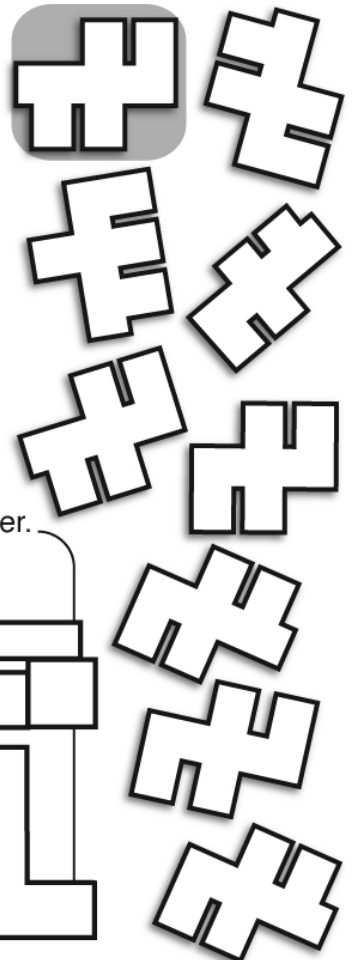
Fun with Figures!



Cross out the figure that does not match in each group.

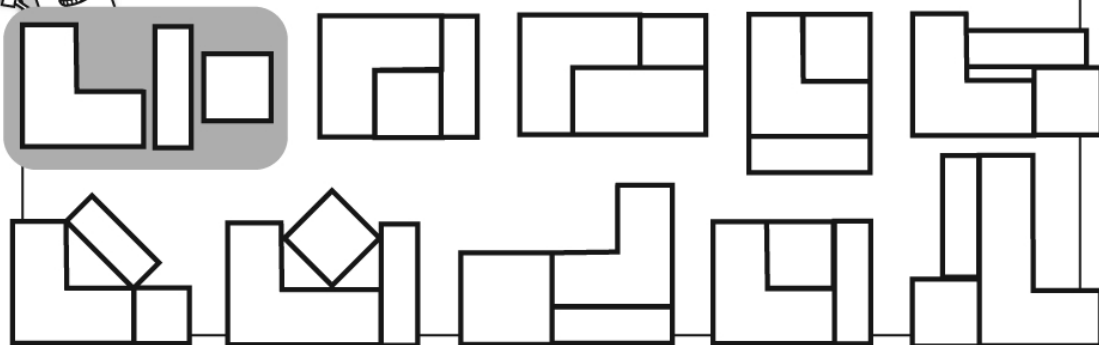


Cross out the figures that are not **congruent** (the same shape and size).



Circle the figures that can be formed by joining the three shapes together.

★ The shapes can rotate but they cannot change size. ★



Name: _____

Classifying Triangles

MATCHING

Equilateral
(3 equal sides)

Isosceles
(2 equal sides)

Scalene
(no equal sides)



MATCHING

Acute
(3 angles $< 90^\circ$)

Right
(1 angle $= 90^\circ$)

Obtuse
(1 angle $\geq 90^\circ$)



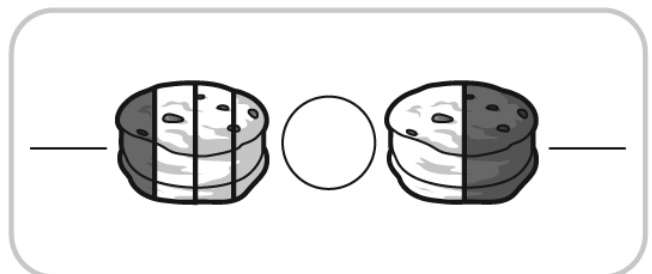
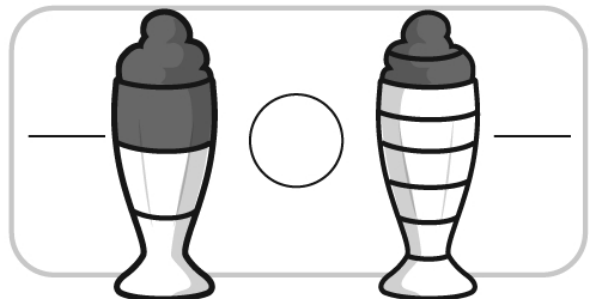
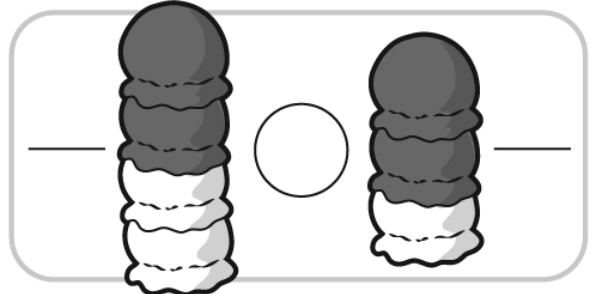
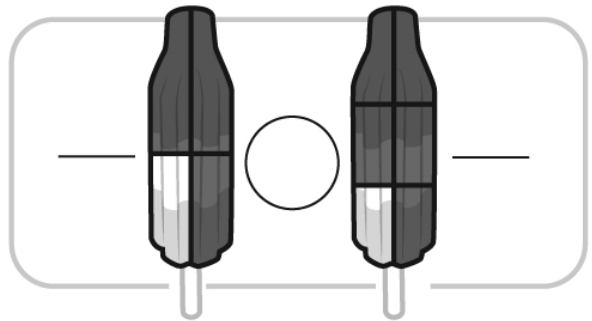
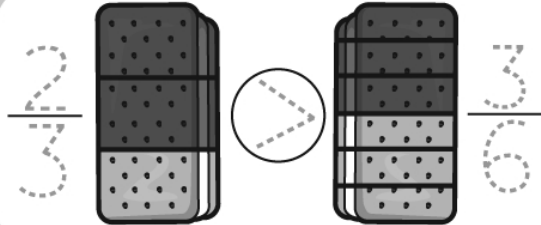
Draw an
acute
isosceles
triangle
cone for
the ice
cream.



Frosty Fractions



Write the
fractions.
Fill in the
< or >.



☐

I did page 15

☐

I decided to skip this page
edHelper

Name: _____

"Hannah likes to watch the tube way too much," says Dad.

"It's YouTube, Dad," interrupts Hannah. "And I only do the family rule -- I only watch YouTube on my computer for 3 times as long as it takes to do my homework."

"You sure?" asked Dad. "You did your homework in only 5 minutes, and then I'm pretty sure you watched your computer for 30 minutes."

If Hannah didn't want to break the family rule, but she did still want to watch her computer for 30 minutes, how long should she have spent on her homework?

Show your work.

Name: _____

**FUN
BREAK!**

Play a game online!

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



$$\begin{array}{r} 166 \\ + 70 \\ \hline \end{array}$$

Write this number:
9 hundreds, 7 ones, 8
thousands, 5 tens

Find a clock. What time is it
right now?

5 less than 565

Circle the number that is
smallest.

5,060 5,600

5,006

$$\begin{array}{r} 37 \\ + 4 \\ \hline \end{array}$$

Name: _____

Guess what you have to do on the Name that Number app? You guessed it! You name the correct number. For 50 gold stars, here is the clue. The number rounded to the nearest 10 is 110. The ones digit is 1. Quick! If you can write the answer in 30 seconds you get 15 bonus gold stars!

The numerator of a fraction is seven. The denominator of a fraction is eleven. Write the fraction.

Draw a pizza pie showing this fraction.

Name: _____

Connor drew a very large square with a blue piece of chalk at the playground. One side is 7 feet long. Connor wants to walk along the square and can only walk on the line. If he wants to walk the square 2 times by only stepping on the line, how many feet will he end up walking?

64, 71, 78, _____, 92,
99

Write an even number.

B, E, H, K, _____, Q,
T, W, Z

How many hours are there
from 9 a.m. to 10 p.m.?

Write this number:
8 thousands, 9 tens, 6
hundreds

double 60

$12 - 7 = \boxed{}$

$1 + 6 = \boxed{}$

$9 - 6 = \boxed{}$

$2 + 2 = \boxed{}$

$4 + 4 = \boxed{}$

$14 - 7 = \boxed{}$

$6 + 5 = \boxed{}$

$8 + 9 = \boxed{}$

Name: _____

Jason and April have the same amount of money. Jason has 4 nickels and 7 dimes. If April has 5 dimes, then how many nickels does she have?

Make your own
equation.

___ - 9 = ___

Round 42 to the nearest 10.

double 300

A teacher arranges desks.
She puts 4 desks in each
row. There are 3 rows.
How many desks are there?

A, K, _____, L, C, M,
D, N, E, O, F, P

Circle the three numbers
whose sum equals 16.

4 6 7

4 3 9

Name: _____

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

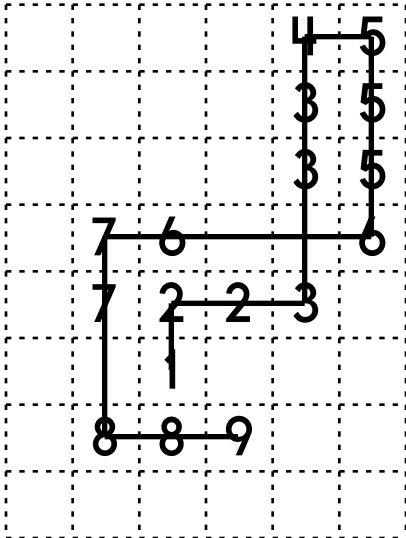
You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!

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

Draw exactly 8 lines.

Start on 1.

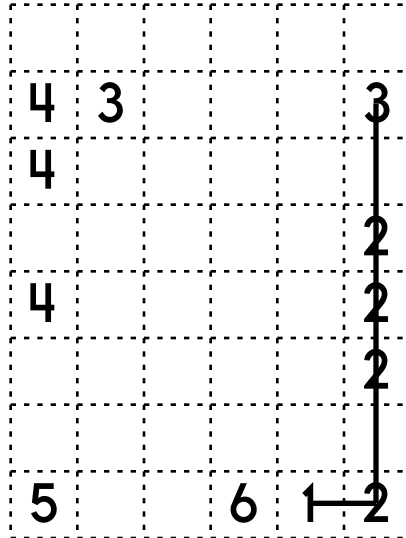
Do not pick up your pencil.



Draw exactly 5 lines.

Start on 1.

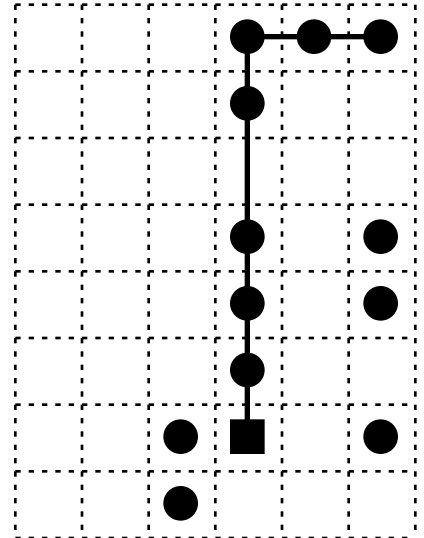
Do not pick up your pencil.



Draw exactly 5 lines.

Start on the square.

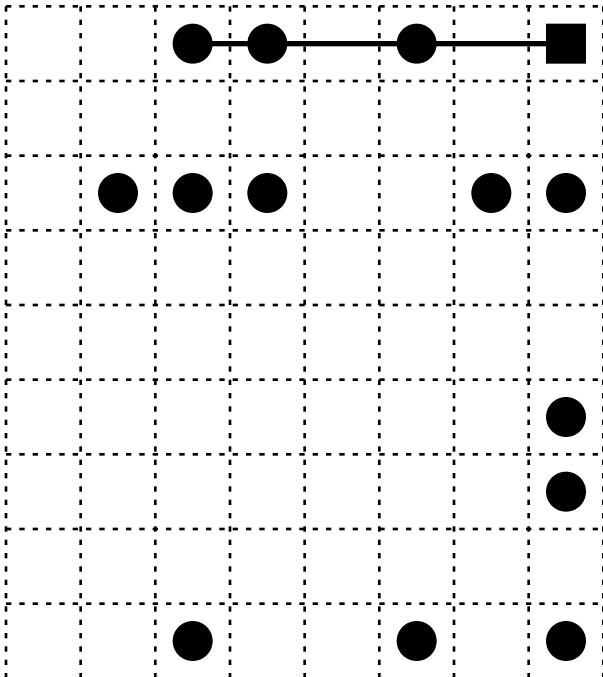
Do not pick up your pencil.



Draw exactly 5 lines.

Start on the square.

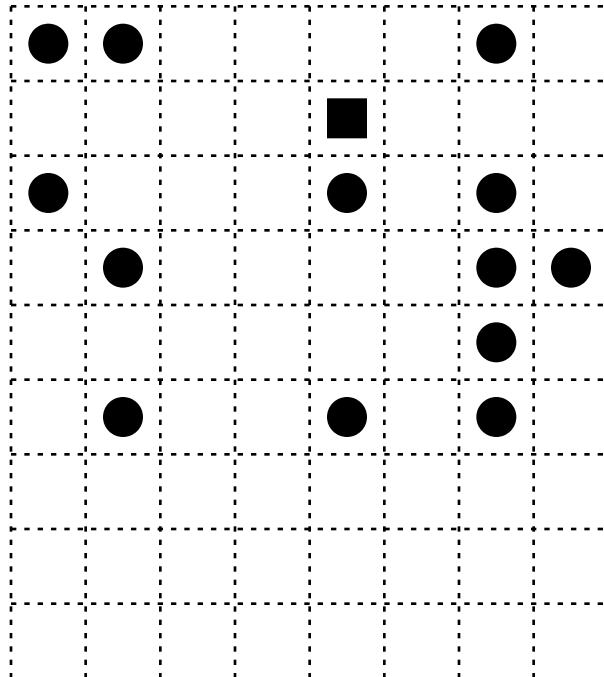
Do not pick up your pencil.



Draw exactly 8 lines.

Start on the square.

Do not pick up your pencil.



Name: _____

Mr. Smith sent an e-mail out to parents asking them if they could bring balloons to class. Supposedly, it was for a science project. To do the project successfully, they needed 3 balloons for each of the 18 students in the class, but Mr. Smith knew how balloons went pop. So he thought he needed 12 extra balloons. Mr. Smith also needed 5 balloons for himself.

"Mr. Smith," said Jennifer. "In this experiment we TRY to pop the balloons?"

"That's correct," said Mr. Smith. "The trick is to make it hard to pop. You will only be able to use a feather!" Mr. Smith's experiments were always strange. That's why they called him Mr. Strange Smith the Scientist.

David was in charge of bringing the balloons to class. David always got confused. He listened to Mr. Smith (he thought), but he brought 10 fewer balloons than he should have. How many balloons did he bring to class?

Show your work.

Name: _____

Mr. Anderson made 140 chocolate ice cream cones on Monday. He made 148 ice cream cones on Tuesday. About how many ice cream cones did he make in all? Estimate by rounding to the nearest hundred.

Rose planted 237 tulip bulbs. She planted 134 bulbs for red tulips. The rest of the bulbs were for yellow or purple tulips. How many bulbs were not for red tulips?

Rosa bought a doghouse for her dog. The sides of the doghouse are 5 inches longer than her dog. Her dog is 13 inches long (not counting his tail). How long are the sides of the doghouse?

Name: _____

Adding and Subtracting 8

$2 + 8 = \underline{\quad}$	$38 - 30 = \underline{\quad}$	$17 - 9 = \underline{\quad}$	$23 - 15 = \underline{\quad}$
$28 + 8 = \underline{\quad}$	$9 - 1 = \underline{\quad}$	$25 - 17 = \underline{\quad}$	$8 + 18 = \underline{\quad}$
$12 - 8 = \underline{\quad}$	$26 - 18 = \underline{\quad}$	$8 + 4 = \underline{\quad}$	$28 + 8 = \underline{\quad}$
$35 + 8 = \underline{\quad}$	$8 + 10 = \underline{\quad}$	$23 - 15 = \underline{\quad}$	$34 - 26 = \underline{\quad}$
$8 + 14 = \underline{\quad}$	$36 - 8 = \underline{\quad}$	$25 - 17 = \underline{\quad}$	$8 + 26 = \underline{\quad}$

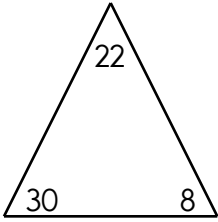
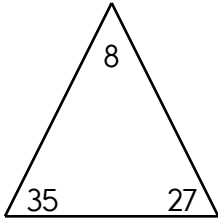
$\begin{array}{r} 8 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 28 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ - 12 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ + 8 \\ \hline \end{array}$
$\begin{array}{r} 32 \\ - 24 \\ \hline \end{array}$	$\begin{array}{r} 21 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 29 \\ - 21 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ - 35 \\ \hline \end{array}$
$\begin{array}{r} 17 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 25 \\ - 17 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 38 \\ - 30 \\ \hline \end{array}$	$\begin{array}{r} 31 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 39 \\ - 31 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ + 8 \\ \hline \end{array}$
$\begin{array}{r} 34 \\ - 26 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 22 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ - 8 \\ \hline \end{array}$
$\begin{array}{r} 18 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ - 18 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ - 11 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 31 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 8 \\ \hline \end{array}$

$8 + 22 = \underline{\quad}$	$2 + 8 = \underline{\quad}$	$10 - 8 = \underline{\quad}$	$11 - 3 = \underline{\quad}$
$15 - 7 = \underline{\quad}$	$43 - 35 = \underline{\quad}$	$29 - 21 = \underline{\quad}$	$24 - 8 = \underline{\quad}$
$5 + 8 = \underline{\quad}$	$25 - 17 = \underline{\quad}$	$17 - 9 = \underline{\quad}$	$13 - 8 = \underline{\quad}$

Name: _____

Adding and Subtracting 8

$8 - 4 = \underline{\quad}$	$41 - 33 = \underline{\quad}$	$22 - 8 = \underline{\quad}$	$8 + 29 = \underline{\quad}$
$16 - 8 = \underline{\quad}$	$25 - 17 = \underline{\quad}$	$39 - 31 = \underline{\quad}$	$16 - 8 = \underline{\quad}$
$31 + 8 = \underline{\quad}$	$11 - 8 = \underline{\quad}$	$28 - 8 = \underline{\quad}$	$8 + 21 = \underline{\quad}$
$10 + 8 = \underline{\quad}$	$15 - 8 = \underline{\quad}$	$23 - 15 = \underline{\quad}$	$26 + 8 = \underline{\quad}$
$26 - 18 = \underline{\quad}$	$8 + 9 = \underline{\quad}$	$8 + 23 = \underline{\quad}$	$8 + 32 = \underline{\quad}$
$17 - 9 = \underline{\quad}$	$8 + 5 = \underline{\quad}$	$17 - 8 = \underline{\quad}$	$9 - 1 = \underline{\quad}$
$18 - 8 = \underline{\quad}$	$8 + 1 = \underline{\quad}$	$28 + 8 = \underline{\quad}$	$17 - 9 = \underline{\quad}$
$1 + 8 = \underline{\quad}$	$27 - 8 = \underline{\quad}$	$31 + 8 = \underline{\quad}$	$8 - 2 = \underline{\quad}$
$13 - 8 = \underline{\quad}$	$14 - 8 = \underline{\quad}$	$22 - 8 = \underline{\quad}$	$11 - 3 = \underline{\quad}$

<p>Fill in the blanks using numbers from the fact family.</p> <div style="text-align: center;">  </div> <div> <div><input type="text"/></div> + <div><input type="text"/></div> = <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> + <div><input type="text"/></div> = <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> - <div><input type="text"/></div> = <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> - <div><input type="text"/></div> = <div><input type="text"/></div> </div>	<p>Fill in the blanks using numbers from the fact family.</p> <div style="text-align: center;">  </div> <div> <div><input type="text"/></div> + <div><input type="text"/></div> = <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> + <div><input type="text"/></div> = <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> - <div><input type="text"/></div> = <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> - <div><input type="text"/></div> = <div><input type="text"/></div> </div>
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It's NO PREP at edHelper.

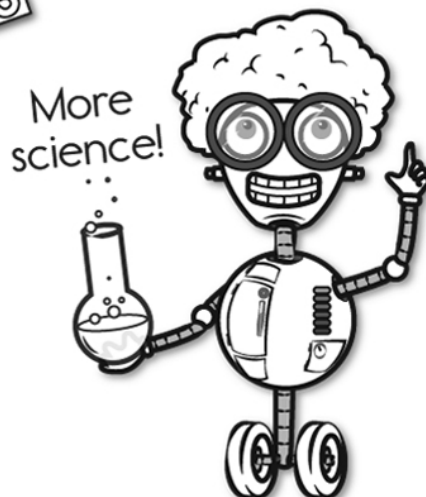
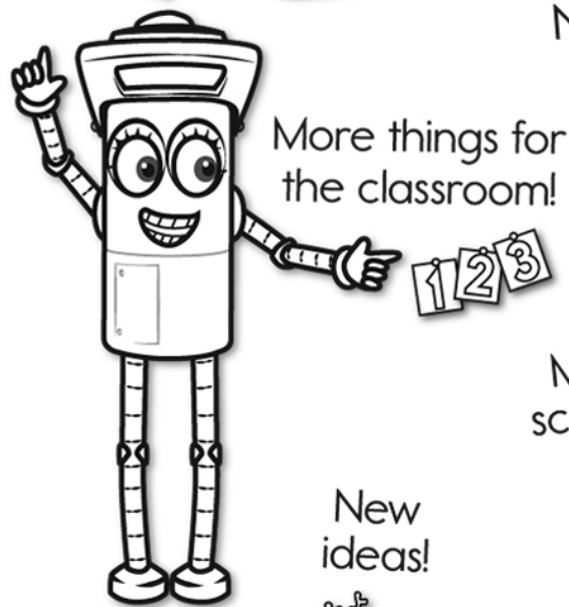
More history!



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New online math games!

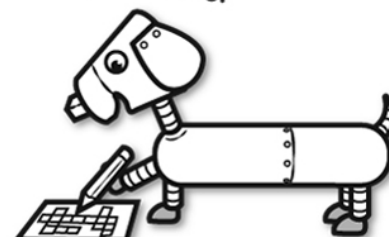


New ideas!



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More puzzles!





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