98	-16		+2		-6		-61		-7	
48										+58
-1										+5
-14										+4
+34										-41
-11										-9
+23										+3
										30
-18										+3
	-8		-12		+24		+28		-30	

Name: _____

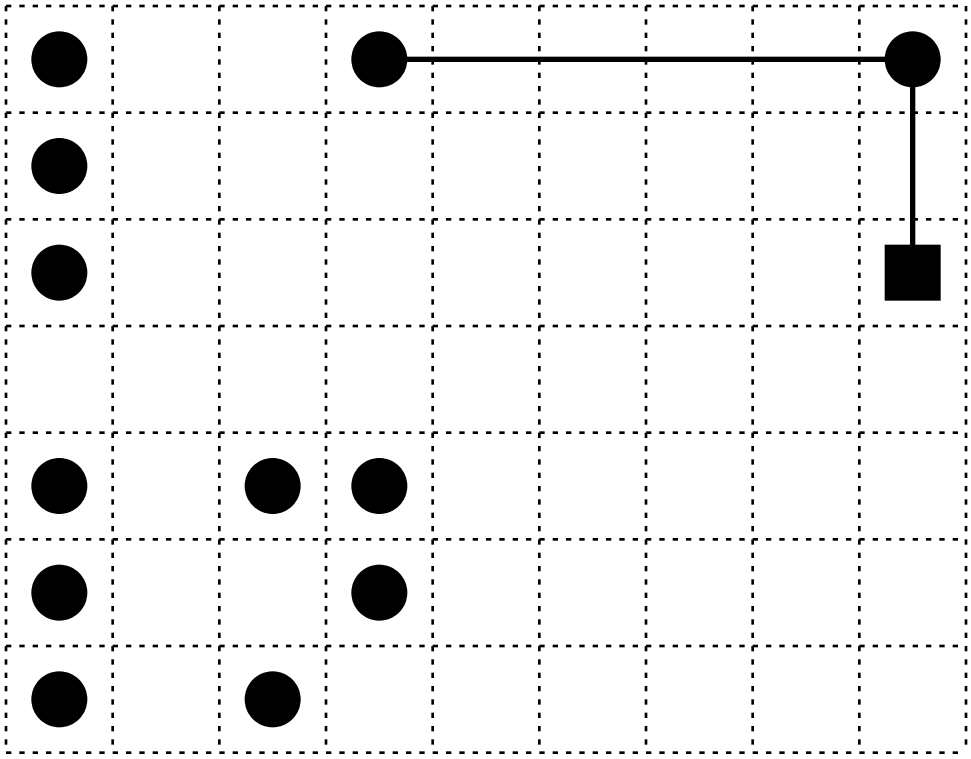
Pick 26 to do: **Skip 2 pages.**

☐ 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 27
☐ page 4	☐ page 10	☐ page 16	☐ page 22	☐ page 28
☐ page 5	☐ page 11	☐ page 17	☐ page 23	
☐ page 6	☐ page 12	☐ page 18	☐ page 24	

Challenge Math

Book 28

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



Name: _____

Jack the Rabbit loves spring break. His family is going to Wonder World.
Wonder World is the most wonderful place on Earth. Animals come to Wonder World from all over the world. It is their dream come true! This year they introduced a new ride, Bouncing Balloon. This twirling, super fast balloon ride is the scariest ride ever. The good news is the line isn't very long, and Jack the Rabbit wants to go. The bad news is that for each animal that rides it takes 12 minutes. Only one animal can ride at a time.
Jack is not yet in the line, although he does see his friend in line. Still, he will need to get to the back of the line. Jack the Rabbit checks his phone. He has an app that will tell him how long the wait time is for each ride. What is the current wait time for Bouncing Balloon?

Show your work.

Name: _____

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

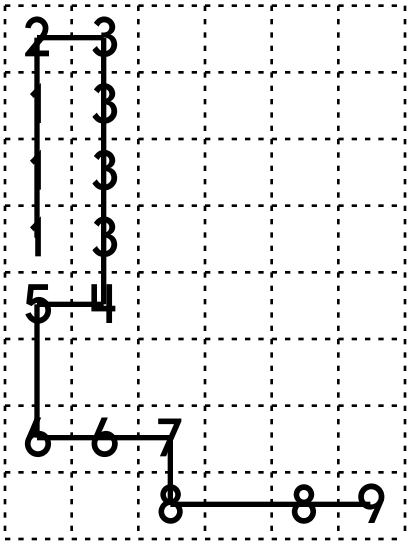
You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!

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

Draw exactly 8 lines.

Start on 1.

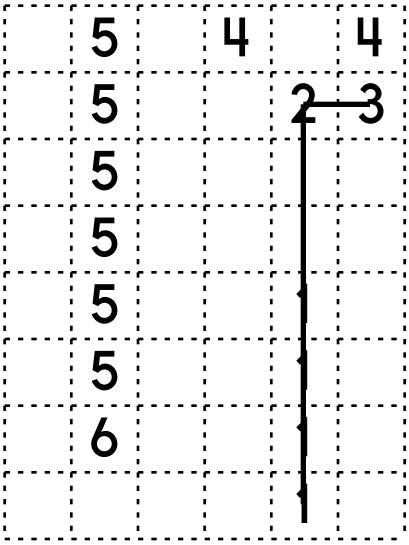
Do not pick up your pencil.



Draw exactly 5 lines.

Start on 1.

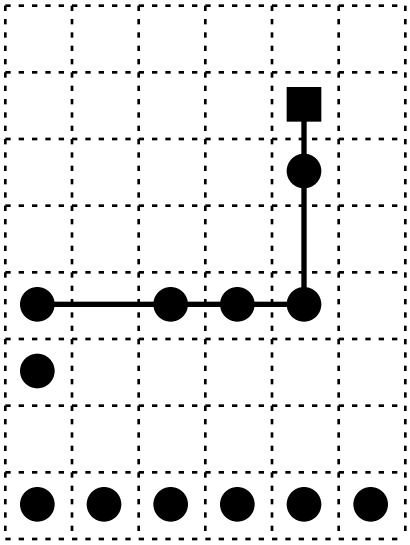
Do not pick up your pencil.



Draw exactly 4 lines.

Start on the square.

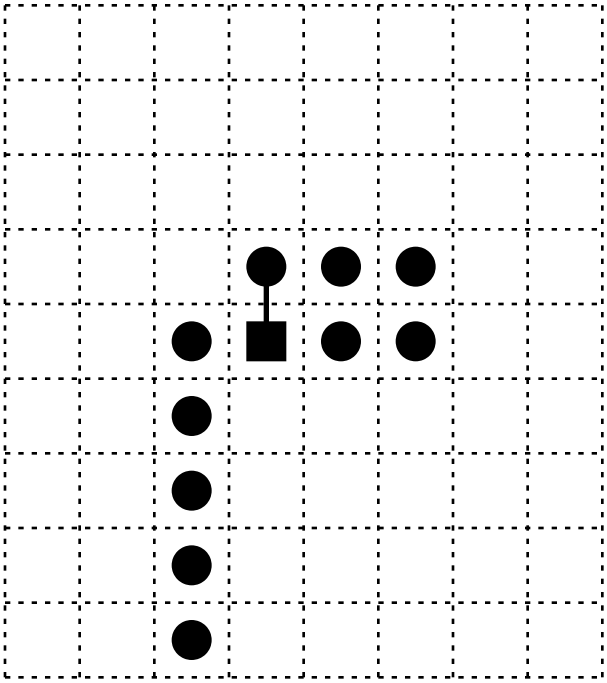
Do not pick up your pencil.



Draw exactly 5 lines.

Start on the square.

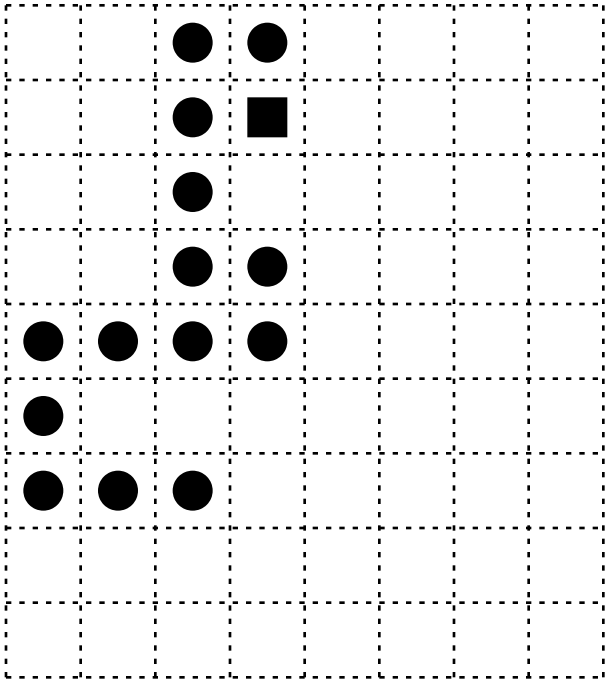
Do not pick up your pencil.



Draw exactly 8 lines.

Start on the square.

Do not pick up your pencil.



Name: _____

A year on Mars lasts 687 days. Robot Pete lives on Mars. He is exactly 5 Mars years old. That means he was born 3,435 days ago, assuming a robot was born, which makes no sense. But who cares!

Robot Pete's older brother Jack was born 452 days before Pete. How many days old is Jack? Don't forget, to be older, Pete should be MORE days old than Jack! If your answer is less than 3,435 then think again.

Mrs. Miller needs to buy 38 cupcakes. At the mall, two stores sell cupcakes for the same price. Both stores have very tasty cupcakes. She has a coupon for the first store, Cupcakes are Good. The coupon is $2 off every 3 cupcakes you buy. Would you believe she also has a coupon for the second store, Buy Here? Her coupon for Buy Here says $1 off for every 5 cupcakes you buy, So BUY HERE. Hmmm. Which store is the better buy?

Name: _____

Bill brought 81 cookies to share with everyone in his class. That sounds like a lot, but they are mini cookies. Each cookie is only 1 inch in diameter!

They are oatmeal cookies, his favorite. Would you believe everyone in his class likes oatmeal cookies?

"I don't," interrupted Sally.

Okay, everyone likes then except for Sally. She doesn't like anything sweet. Bill wants everyone to get the same number of cookies. There are 14 kids in his class, including himself.

"Did you forget anyone else?" Miss Smith laughed. She is a cookie monster, so Bill wants to include her, too.

Quick! Everyone is hungry. How many cookies will everyone get? Don't forget to skip Sally!

Follow up: How many cookies are left and could not be shared evenly?

Show your work.

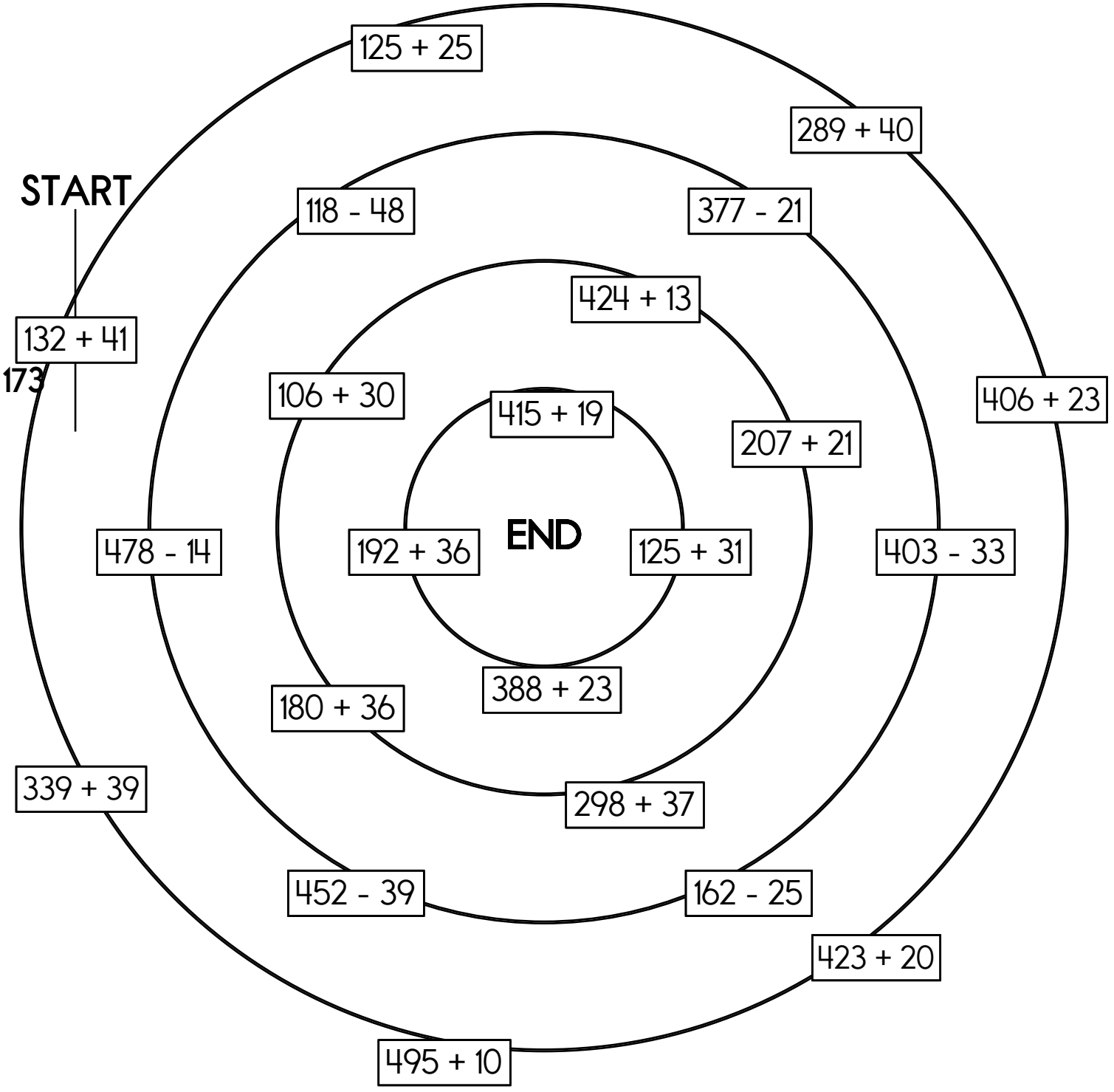
Name: _____

Draw a line from START to END.

216 ~~173~~ 413

156

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



Name: _____

The students in Mr. Hall's class are making little bags of candy to give to the preschool students in the Little Steps program. They are putting three pieces of candy in each bag. They have sixteen bags to fill. How many pieces of candy do they need to fill the bags?

There are eleven boys in Mr. Garcia's class. Each boy brought four rocks to class. There are fourteen girls in Mr. Garcia's class. Each girl brought three rocks. Mr. Garcia put all the rocks on the table for the students to see. How many rocks were on the table?

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 180. The ones digit is 3. Quick! If you can write the answer in 30 seconds you get 15 bonus gold stars!

Emily collects squishies. Before she started getting serious about collecting, she only had 6 of them. But now she has 36 squishies. She ordered 8 really big squishies online. They should be delivered next week on her birthday. And guess what? Next week on her birthday, she invited 6 friends over for a slumber party. In the invitation she said, "No gifts. Just give me 2 squishies."

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

word root **infra** can mean **beneath** **infrastructure**

Name: _____

If you know
70 + 32 = 102
Then what is 70 + 30?

$$\begin{array}{r} 237 \\ +\ 31 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ -\ 8 \\ \hline \end{array}$$

5, 7, 9, 11, _____, 15, 17

It is 7:48 when Rosa leaves her house. She arrives at school at 8:03. How much time has passed?

53 + 53 + 53 + 53 + 53

Change this into a multiplication problem.

___ x ___

5 - 2 + 5 - 5 - 2

6 more than 646

3 more than 373

Name: _____

105, 112, 119, 126,

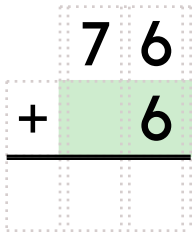
_____, 140, 147

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

Write this number:
3 hundreds, 7 ones

50, 60, 70, _____, 90,

100, 110, 120, 130



double 900

Write this number:
7 ones, 3 thousands, 6 hundreds, 5 tens

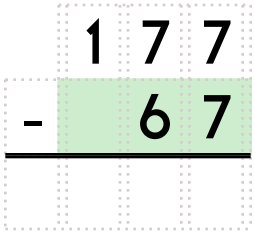
4 + 6 - 2 - 6

double 80

D, _____, E, J, F, L, G,

N, H, P

Write this number:
9 thousands, 4 hundreds, 8 tens



8 + 4 - 4

7 - 2 + 5

double 300

Name: _____

Miss King is reading a book about weddings. She has read to page 78. There are 55 more pages in the book. How many pages are in the book in all?

Ava's grandfather owns a sheep ranch in Australia. On his ranch he has 718 white sheep and only 124 black sheep. How many sheep does he have in all?

Amanda collects cards with jokes on them. She had 55 cards. She gave 10 cards to Megan and 15 cards to Alex. How many cards does she have left?

Write this number:
4 thousands, 7 tens

$$\begin{array}{r} 457 \\ -\ 24 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ -\ 9 \\ \hline \end{array}$$

Emma listened to her jazz CD for 17 minutes. Then she listened to a rock CD. She listened to music for an hour. How long did she listen to the rock CD?

Mrs. Moore is making salad for the second grade picnic. There will be 60 students, 6 teachers, and 8 parents at the picnic. Seven people don't like salad. How many people do like salad?

The mailman spent 5.2 hours delivering mail today. Write that number in expanded form.

How many hours are there from 6 a.m. to 4 p.m.?

I, G, _____, H, K, I, L, J, M, K

double 20

Name: _____

Anne is going to stay with her grandmother this summer. She will be there for 4 weeks. She packed all her clothes in a red suitcase. The suitcase has 4 sides. Two of the sides are 23 inches long. One side is 30 inches long. One side is 20 inches long. What is the perimeter of the suitcase?

Justin loved puzzles. He had fourteen puzzles of his own. He got two new puzzles for his birthday. One puzzle was a picture of a dog. It had sixty-nine pieces. The other puzzle was a picture of a bright red car. It has one hundred forty-three pieces. How many more pieces did the car puzzle have than the dog puzzle?

3 more than 463

9 + 3 - 4 - 6

$$\begin{array}{r} 56 \\ +\ 8 \\ \hline \end{array}$$

Mary has 8 tomato plants. Each plant has 3 tomatoes on it. How many tomatoes are there in all?

Ava bought 30 pieces of peanut butter fudge. She wants to share it equally with 5 friends. How many pieces will each person get? (Don't forget to count Ava!)

Max bought a jar of honey for $5.29 and a book about bees for $8.86. How much did he spend in all?

What number multiplied by four is twelve?

50, 58, 66, _____, 82, 90, 98, 106, 114

$$\begin{array}{r} 467 \\ +\ 74 \\ \hline \end{array}$$

word root **dis** can mean **away** **dismiss, distract**

☐ I did page 11 ☐ I decided to skip this page

edHelper

Name: _____

Get a fidget spinner! Spin it.

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

$$\begin{array}{r} 17 \\ +\ 10 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ +\ 10 \\ \hline \end{array}$$

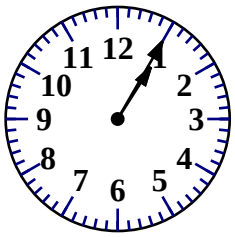
How much is this?

How much is this?

$$\begin{array}{r} 16 \\ +\ 2 \\ \hline \end{array}$$

How many?

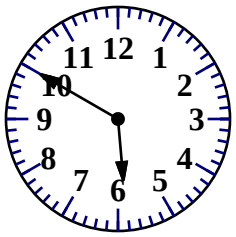
What time is it?



___:___

A two-digit odd number has a 4 in the tens place. The sum of the ones and tens digits is 5. What is the number?

What time is it?



___:___

A two-digit even number has a 5 in the tens place. The sum of the ones and tens digits is 9. What is the number?

$$\begin{array}{r} 278 \\ +\ 59 \\ \hline \end{array}$$

s, F, _____, j, j, 2, s, F, F, j, j, 2, s, F, F, j

☐ I did page 12 ☐ I decided to skip this page

edHelper

Name: _____

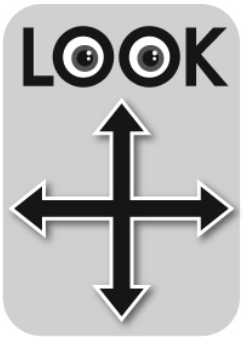
Spin again. I needed to spin _____ time(s) to finish.

$\begin{array}{r} 21 \\ +\ 10 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ +\ 2 \\ \hline \end{array}$	How much is this?
Jenna 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.	Draw 8 small squares. Then color in some to show $\frac{1}{2}$.	Anna has seven tickets to the middle school play. She gave Emma a ticket. She gave two tickets to Emily. How many tickets does Anna have left?
$\begin{array}{r} 69 \\ +\ 7 \\ \hline \end{array}$	6 more than 356	double 200
I, G, _____, H, K, I, L, J, M, K	If you know 83 + 18 = 101 Then what is 83 + 16?	17, _____, 51, 68, 85, 102, 119

Name: _____

- [x] 9 x 11 = **99**
- [ ] 3 x 5 =
- [ ] 5 x 9 =
- [ ] 2 x 3 =
- [ ] 7 x 4 =
- [ ] 7 x 11 =
- [ ] 3 x 4 =
- [ ] 8 x 10 =
- [ ] 3 x 10 =
- [ ] 9 x 10 =
- [ ] 6 x 9 =

8	13	10	44	3	10	100	80	5	9	13	9	17	28	7	44
4	9	6	15	77	80	15	5	3	4	2	13	6	11	19	11
3	14	9	20	76	10	12	5	10	3	9	8	28	4	7	6
3	4	20	15	14	8	12	1	15	5	10	12	100	14	3	9
54	30	2	16	16	4	11	3	2	7	4	54	13	4	9	54
100	11	9	x	11	=	99	9	3	7	26	12	4	3	44	8	11
11	90	16	10	4	5	8	17	3	45	16	3	4	23	29	9
11	10	4	2	13	9	13	12	9	10	46	13	11	15	11	6
7	9	6	9	90	45	9	99	10	3	6	3	2	16	9	46
7	11	76	5	27	2	13	9	7	6	14	31	30	16	11	7
7	15	3	22	1	29	4	13	11	11	77	10	80	13	4	1
28	3	23	77	31	45	13	1	3	5	2	3	28	27	11	31
28	17	4	11	7	9	2	99	7	2	2	10	6	31	16	3
11	10	46	7	11	7	13	76	10	90	3	30	9	4	9	5



Write operation.

Write = sign.

Circle.

- [x] 4 x 5 = **20**
- [ ] 9 x 12 =
- [ ] 6 x 12 =
- [ ] 8 x 9 =
- [ ] 10 x 10 =
- [ ] 7 x 8 =
- [ ] 9 x 7 =
- [ ] 3 x 7 =
- [ ] 7 x 2 =
- [ ] 3 x 5 =
- [ ] 5 x 5 =

10	25	3	10	20	63	6	7	71	4	7	15	9	14	2	7
20	7	5	10	1	3	21	56	4	17	12	13	15	9	7	99
8	3	16	99	16	56	8	7	8	1	2	57	12	17	9	11
9	7	20	29	29	11	21	9	15	7	6	19	72	18	20	16
72	15	8	10	3	10	7	5	56	9	7	63	14	7	25	6
13	9	19	5	4	18	5	9	21	100	21	23	12	5	6	5
100	108	5	4	12	3	11	99	11	18	5	1	3	7	25	63
9	22	4	x	5	=	20	109	15	15	9	108	5	72	15	2	5	12
17	7	5	16	2	21	7	3	7	12	2	3	5	24	5	5
13	15	17	6	73	20	11	17	12	9	7	18	3	16	3	13
72	12	4	12	7	18	1	8	10	100	10	10	108	1	9	10
14	72	12	6	5	5	71	12	11	25	20	9	8	5	5	20
6	57	72	9	19	2	6	14	12	9	11	18	8	20	14	109

Name: _____

Jenna is 63 inches tall. Pam is exactly 5 feet tall. Who is taller? By how much?

7 - 3 + 2

$$\begin{array}{r} 49 \\ -\ 6 \\ \hline \end{array}$$

3 more than 843

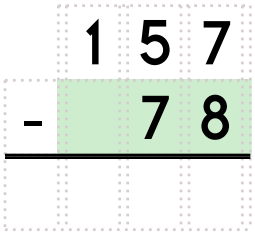
$$\begin{array}{r} 477 \\ +\ 69 \\ \hline \end{array}$$

How many hours are there from 8 a.m. to 9 p.m.?

Write this number:
4 thousands, 3 ones, 5 tens, 9 hundreds

Name: _____

Show what 6 x 5 looks like by drawing an array. What is the answer?



Write this number:
6 hundreds, 3 ones, 7 tens

6 + 5 - 3 + 1

4 - 3 + 5 - 1 + 2

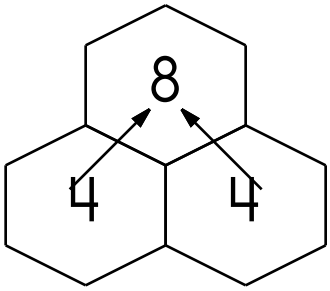
double 60

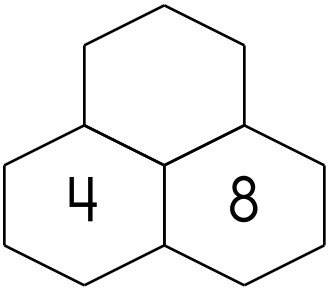
Write this number:
2 hundreds, 4 tens

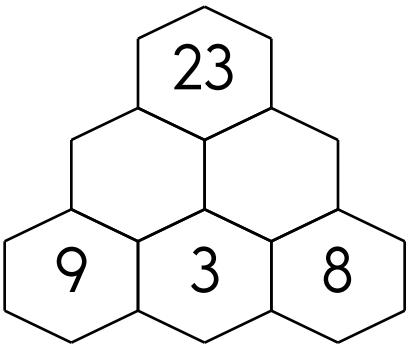
4 + ☐ = 7 4 + ☐ = 13 10 + ☐ = 20 6 + ☐ = 8

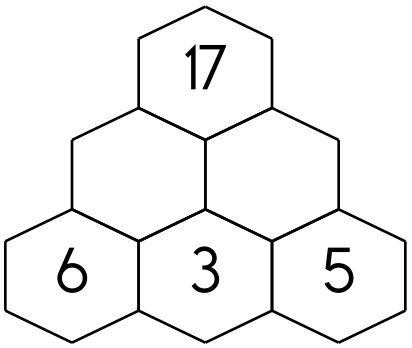
Name: _____

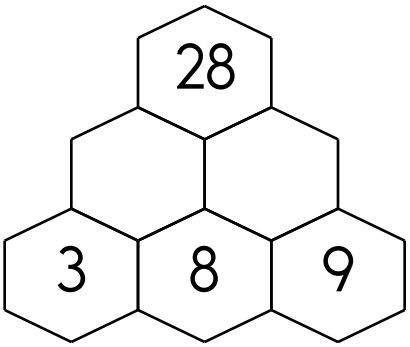
Fill in the blanks by adding the two numbers below each hexagon.

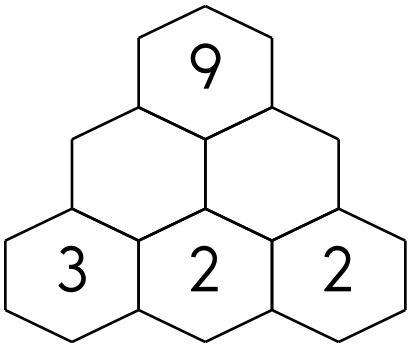


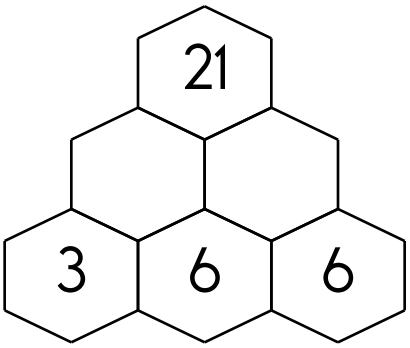


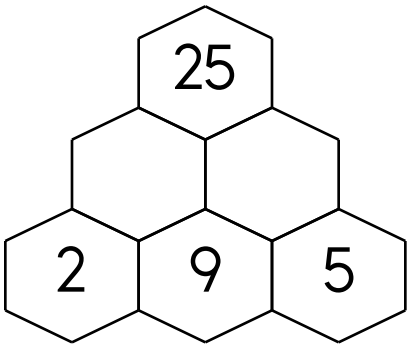






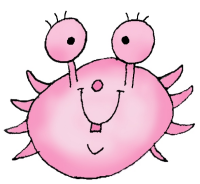






Write a word that means the same as *terrible*.

_____



Name: _____

Complete each pattern, using the same rule. Write what the rule is.

68, 88, 108, 128, 148, 168, 188, _____, _____

53, _____, 93, _____, _____, 153

45, 65, 85, 105, _____, _____, 165, _____, _____, 225

60, 80, _____, 120, 140, _____

What is the rule for each pattern?

8, 8, 14, 18, 20, 28, 26, _____, _____, 48, 38, 58

6, 6, 17, 15, 28, 24, 39, _____, 50, 42, 61, 51

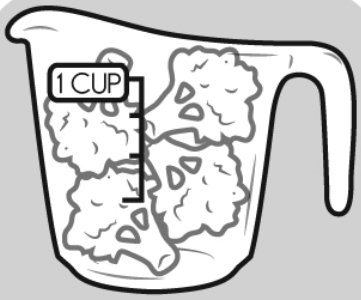
4, 4, 19, _____, _____, 18, 49, 25, 64, 32, 79, 39, 94

Name: _____

Maya sold a lot of cookies. She sold so many cookies that she was the top seller in her troop.
"How many did she sell?" asked Jake.
"Let me see," said Maya. "I sold 88 boxes of Samoas, 92 boxes of Thin Mints, and 124 boxes of Trefoils. Want to go play in the backyard?"
"No time to play," interrupted her mom. "We need to go to Emily's house to pick up the boxes."
"Hi, Emily," Maya said when they got there. "Can we have a sleepover, Mom?"
"Did you forget why we came here?"
"Oh, yeah. Emily, I need to get my boxes of cookies."
Emily went to get her boxes of Samoas, Thin Mints, and Trefoils. All the cookies come in cases of 12. Emily's dad already prepared the Samoas. "Here you go," said Emily's dad. "Here are 7 cases of Samoas and 4 additional boxes for a total of 88 boxes. Let me just double check. Yup, 7 cases multiplied by 12 is 84. Then add 4 for a total of 88 boxes. Wow, you sold a lot! You must be tired. I'm tired, too! You go get the rest of your cases and boxes."
What should Maya take to complete her Thin Mints and Trefoils orders?

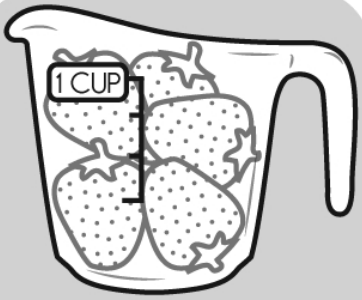
Please show how you found your answer.

Name: _____



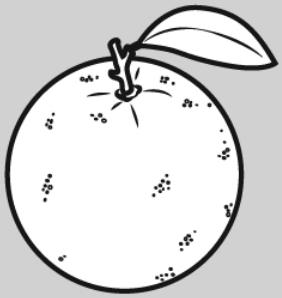
1 cup of broccoli contains 10% of your daily fiber needs. How many cups would you need to get to 100%?

10 x ☐ = 100



1 cup of strawberries contains 90 mg of vitamin C. How many cups would you need to get to 360 mg?

90 x ☐ = 360

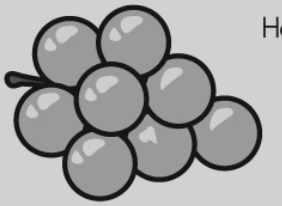


An orange has 15 grams of carbohydrates. How many oranges would you need to get 30 grams?

15 x ☐ = 30

An avocado has 2 mg of vitamin E. How many avocados would you need to get 20 grams?

2 x ☐ = 20



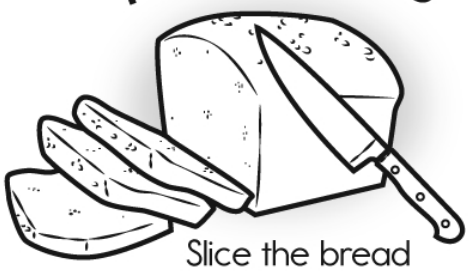
How many bunches of grapes would you need to get 64 grapes?

☐ x ☐ = 64

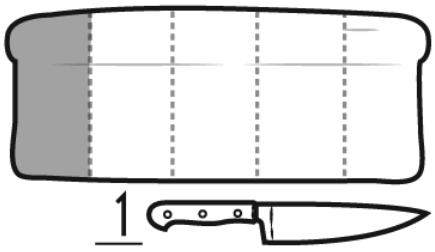
March is National

Nutrition Month!

Fractions

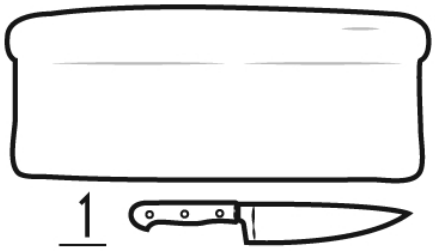


Slice the bread and shade one slice.

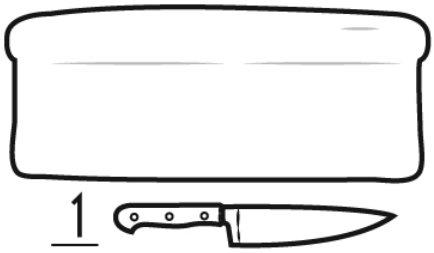


$\frac{1}{5}$

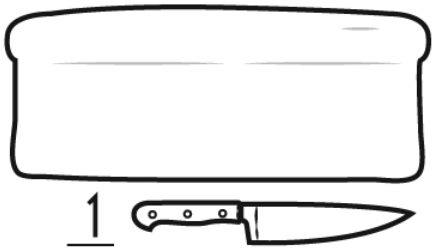
$\frac{1}{2}$



$\frac{1}{3}$



$\frac{1}{4}$



$\frac{1}{6}$

Name: _____

Round each number to the nearest ten.

Draw a line to match each problem with the same answer.

98	88	73	97
89	44	48	64
97	39	71	29
33	61	32	45
63	31	95	56

7 + 2 - 6

$$\begin{array}{r} 47 \\ -\ 6 \\ \hline \end{array}$$

5 less than 765

$$\begin{array}{r} 468 \\ +\ 79 \\ \hline \end{array}$$

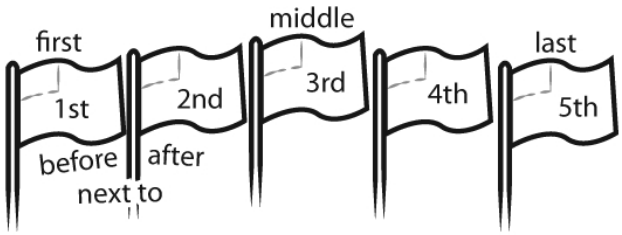
How many hours are there from 9 a.m. to 11 p.m.?

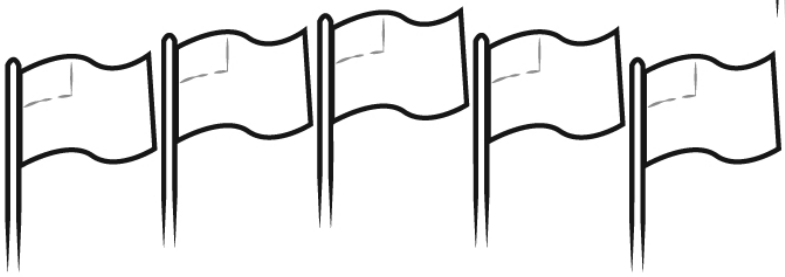
6 - 3 + 5 + 4

18 + ☐ = 31 4 + ☐ = 7 10 + ☐ = 19 14 + ☐ = 30

Name: _____

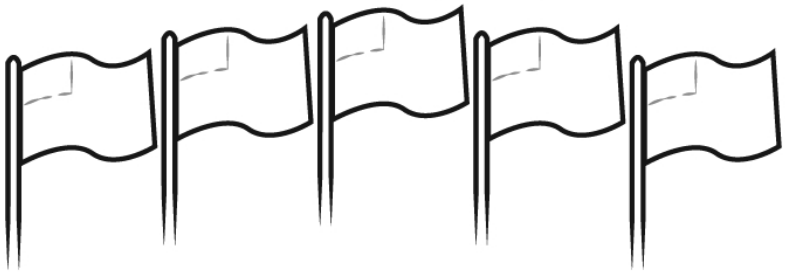
Each row has five different-colored flags– red, orange, yellow, green, and blue. Color each row of flags according to the text.

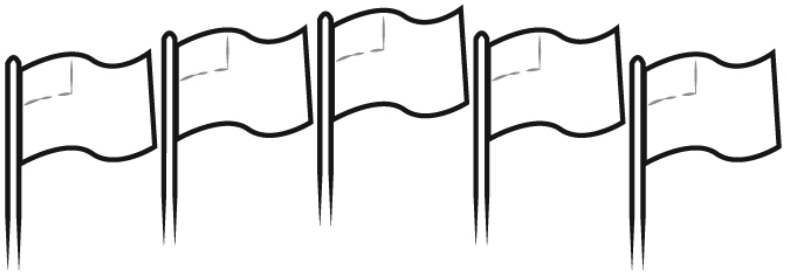




- The first flag is orange.
- The last flag is yellow.
- The red flag is between the orange and blue flags.

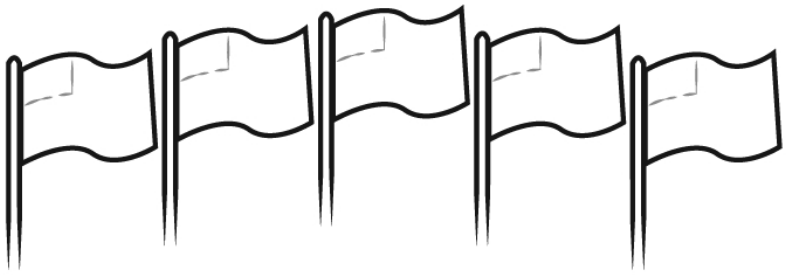
- The middle flag is orange.
- The yellow flag is before the green flag.
- The blue flag is after the red flag.
- The green flag is not last.

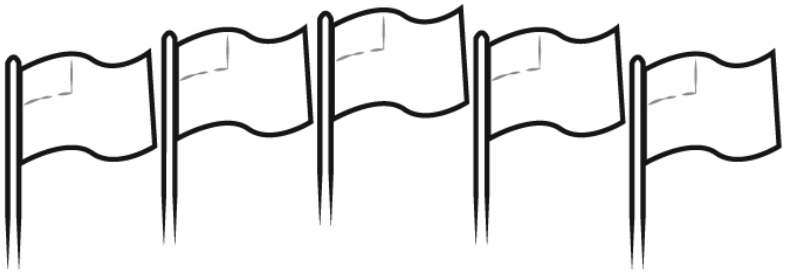




- The 2nd flag is blue.
- The last flag is red.
- The yellow flag is before the orange flag.

- The last flag is green.
- The first flag is red.
- The blue flag is between the yellow and orange flags.
- The yellow flag is not near the red flag.





- The 4th flag is orange.
- The green flag is between the red and yellow flags.
- The yellow flag is not near the orange flag.

Name: _____

Sarah is at the toy store, and she brought her money to spend. She has 6 ten dollar bills and 13 five dollar bills. She wants to buy a toy that costs $47.48 and a fidget spinner that is in the final sale section for only 76 cents. There is no tax at this store. She wants to prepare the bills to give the cashier before she goes there. Which bills should she take out of her wallet?

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

Draw a pizza pie showing this fraction.

Name: _____

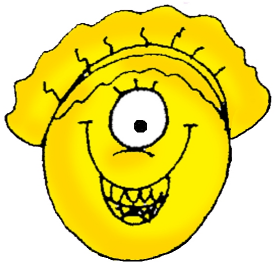
The cost of lunches for one day for East Elementary School is $4,502. Round this amount to the nearest hundred dollars.

Wendy bought twelve red roses for her mother. The roses cost $16.60. She gave the storekeeper $20. How much change did she get?

Alex found 3 sand dollars and 6 conch shells at the beach. What fraction of the group of shells are the sand dollars?

7 x 11 = _____ 11 x 6 = _____

4 x 10 = _____ 9 x 4 = _____



Can you think of a five-letter word that has the vowel E in it?

_____

Sixteen is an odd number.

false true

Write + or - in the circles.

1 ◯ 3 ◯ 2 = 2 ◯ 4 ◯ 4

3 ◯ 3 ◯ 7 = 5 ◯ 9 ◯ 7

You are going to a party one week after March 6. What is the date of the party?

_____

$8\overline{)32}$

Fill in the blanks with these numbers:
5, 1, 1

2 7

\- ☐ 2

☐ ☐

Fill in the blanks with these numbers:
7, 5, 9

☐ ☐

\- 1 ☐

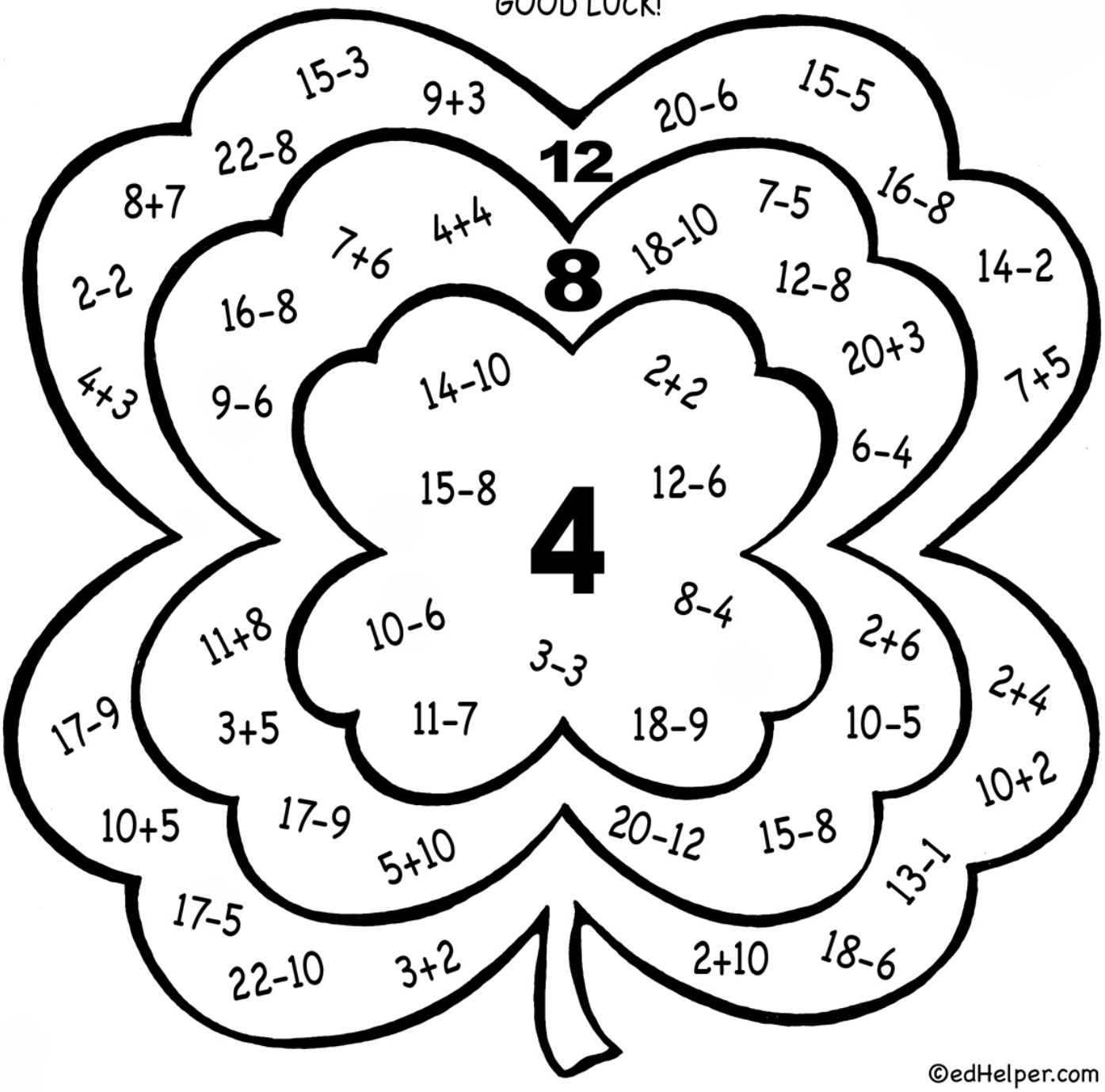
6 4

word root **tact** can mean **touch** **contact, intact, tactile**

Name: _____

Four-Leaf Clover

Four-leaf clovers are suppposed to give a person good luck. Solve all of the math problems below. Cross out the problems in the front clover whose answers are not 4.
Cross out the problems in the middle clover whose answers are not 8.
Cross out the problems in the back clover whose answers are not 12.
GOOD LUCK!



Name: _____

X		4		4	
1	1 x ___	1 x 4	1 x ___	1 x 4	2 1 x ___
	___ x ___	___ x 4	___ x ___	12 ___ x 4	___ x ___
	___ x ___	___ x 4	___ x ___	36 ___ x 4	___ x ___
7	7 x ___	7 x 4	7 x ___	7 x 4	14 7 x ___
	16 ___ x ___	8 ___ x 4	14 ___ x ___	8 ___ x 4	___ x ___

Round to the nearest ten.

1,546 is rounded to _____

99,693 is rounded to _____

64,373 is rounded to _____

Write a word to describe April.

_____

28 + ☐ = 32

10 + ☐ = 31

23 + ☐ = 33

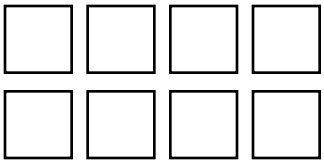
Round to the nearest hundred.

2,766 is rounded to _____

4,686 is rounded to _____

4,445 is rounded to _____

Color in $\frac{1}{2}$.



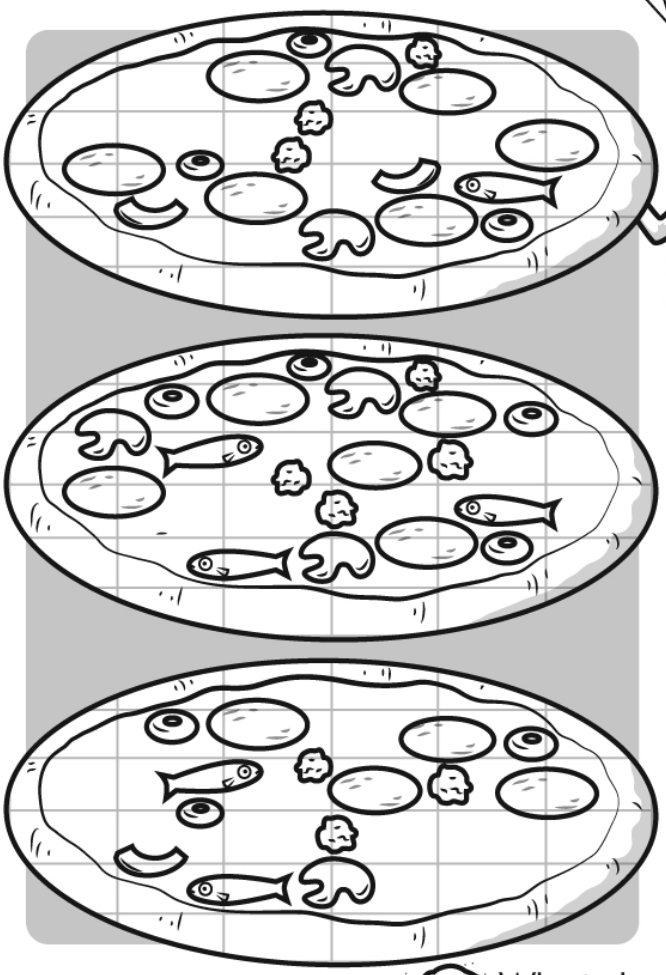
$$\begin{array}{r} 93 \\ -\ 54 \\ \hline \end{array}$$

$2\overline{)6}$

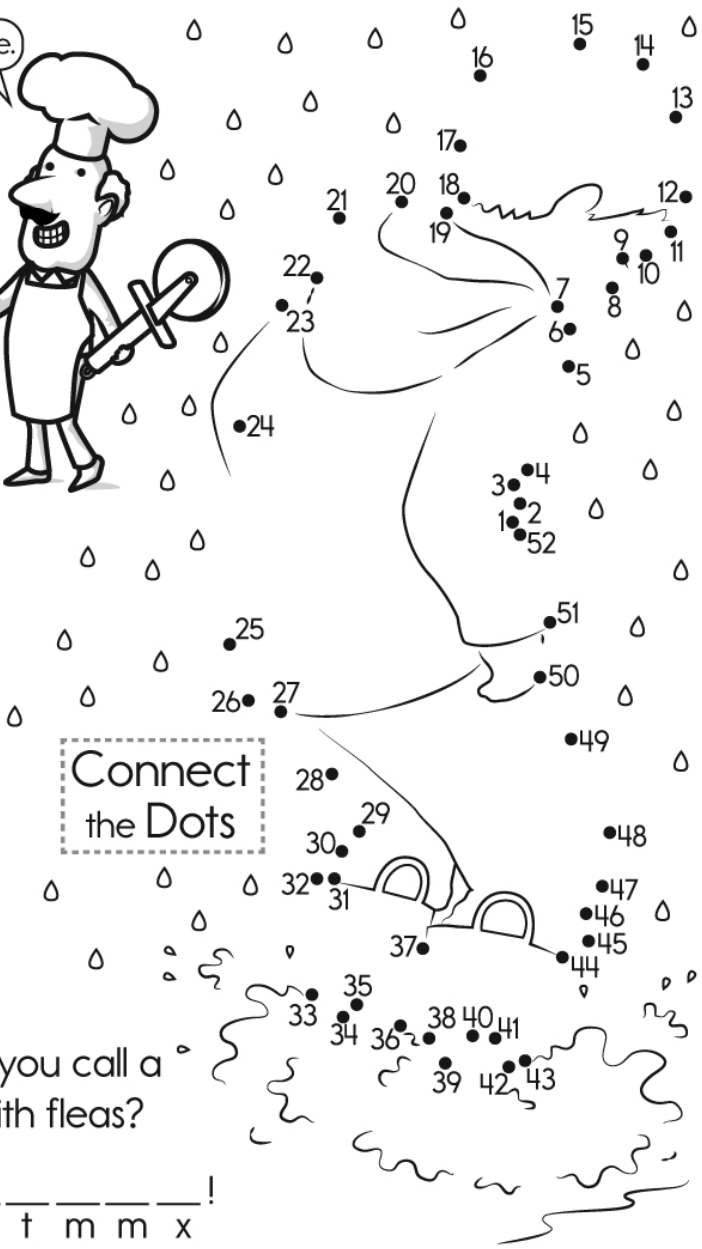
word root **mar** can mean **sea** **submarine, marina**

Name: _____

Find the differences and make the pizzas the same.



Connect the Dots

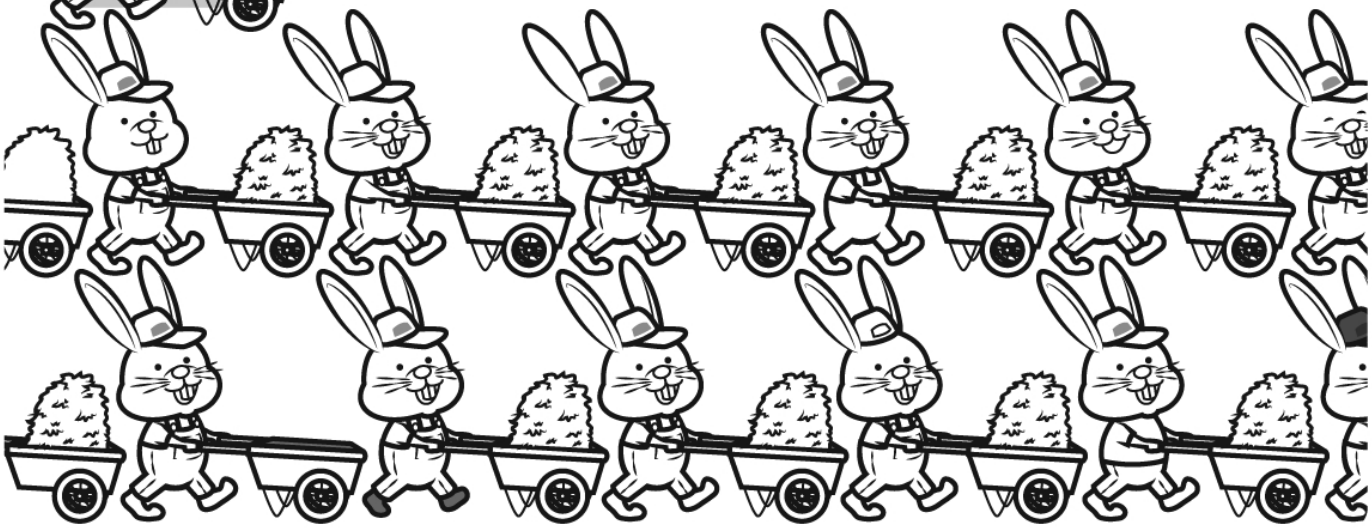


What do you call a rabbit with fleas?

_____ _____!

A t f r A t m m x

Crack the code: Choose the next letter in the alphabet. Ex) A➡B

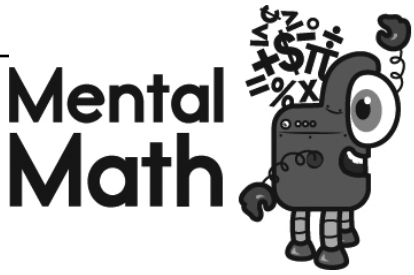


☐ I did page 27 ☐ I decided to skip this page

edHelper

Name: _____

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



imagine 3 in your head add 9 add 8 Write the ones digit. _____ A	imagine 7 in your head add 5 subtract 2 Write the ones digit. _____ B	imagine 2 in your head add 5 double it subtract 5 Write the number. _____ C	imagine 3 in your head add 3 add 4 Write the even digit in your answer.

What is the sum?

A + B + C

_____

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

_____ _____ **n** _____

5 after 12 _____	9 before 18 _____	1 after 18 _____
9 after 15 _____	2 before 13 _____	3 after 11 _____
2 after 14 _____	5 before 14 _____	8 after 17 _____
6 after 19 _____	7 before 17 _____	7 after 13 _____
4 after 16 _____	1 before 19 _____	4 after 19 _____

Name: _____

There are 147 children at the zoo. About how many children are there at the zoo? (Hint: Round your answer to the nearest ten.)	Miss Thompson drove 1,257 miles. She went to Kentucky. She saw a log cabin. President Lincoln lived in it long ago. Show the number in expanded form.	Connor and his father made a bird feeder. The post was 36 inches tall. How many feet tall was it?

Write four words to describe this trapeze artist.

1. _____
2. _____
3. _____
4. _____

Use one or more of these words also:

fancy	brunette
courageous	flying
radiant	fearless

Write a sentence to describe the picture.
Use some of the above words.

_____

_____

_____

12 + ☐ = 20	15 + ☐ = 34	8 + ☐ = 39	15 + ☐ = 38

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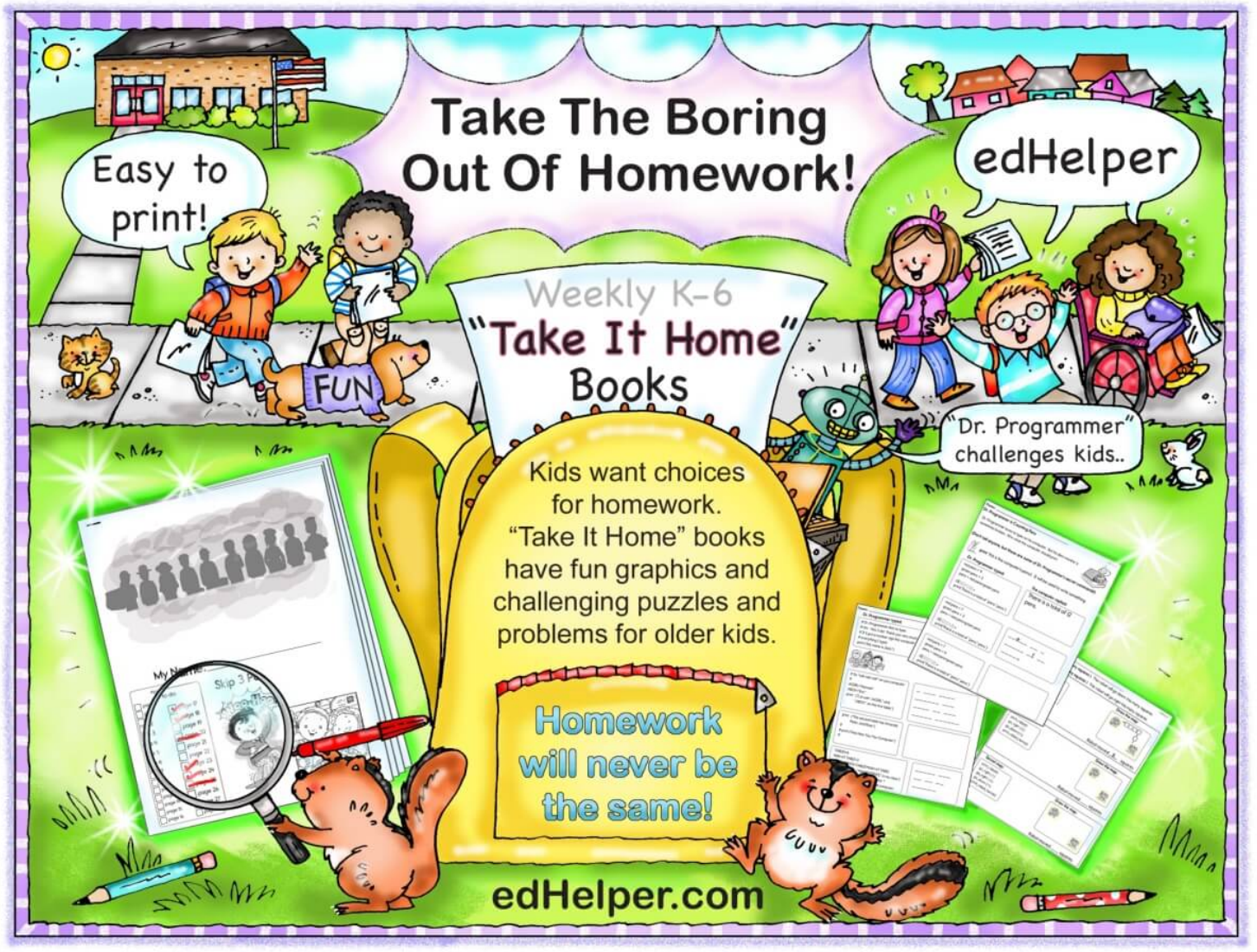
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