38.3	+45		-28.1		+1.9		-26		+4.2	
										+2
57.6										
+44										+7.7
-19.5										-23.6
+1.8										+8.5
-33.7										+32
-3										+16.8
										78.7
+6.9										-15
	-5.4		-9		-13.6		+37.4		-12	

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	

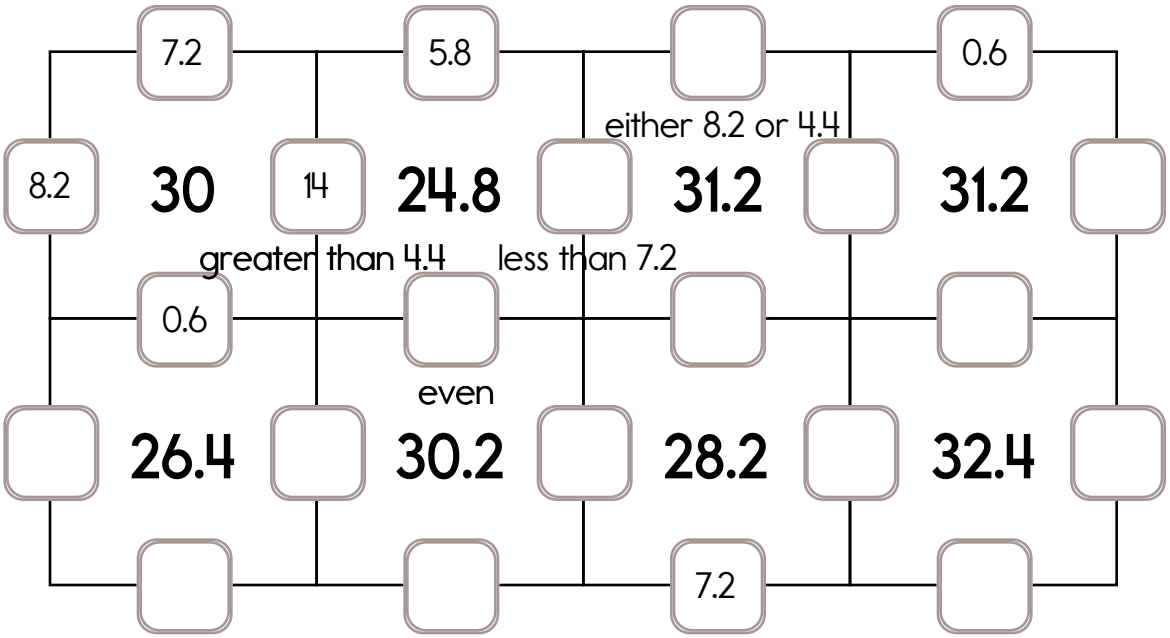
Challenge Math

Book 29

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: 18, 29, or 14.

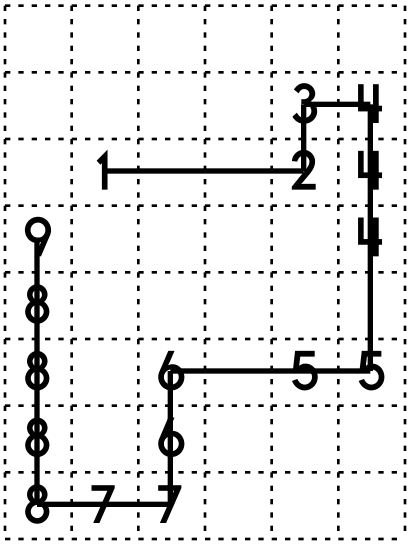
The other three numbers have to all be DIFFERENT and must be from these: 4.4, 0.6, 7.2, 9.4, 2.4, 8.2, or 5.8.



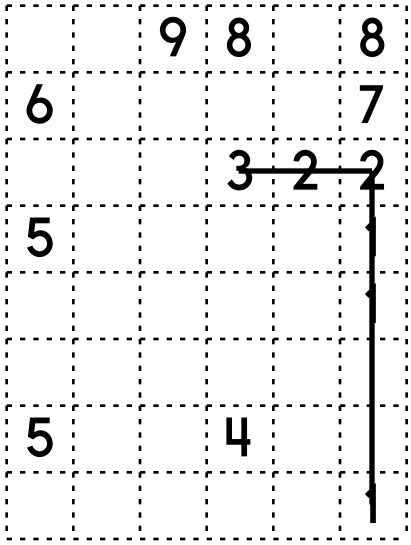
Name: _____

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.

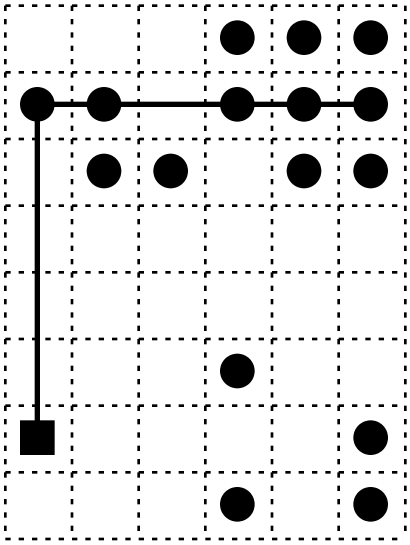
Draw exactly 8 lines.
Start on 1.
Do not pick up your pencil.



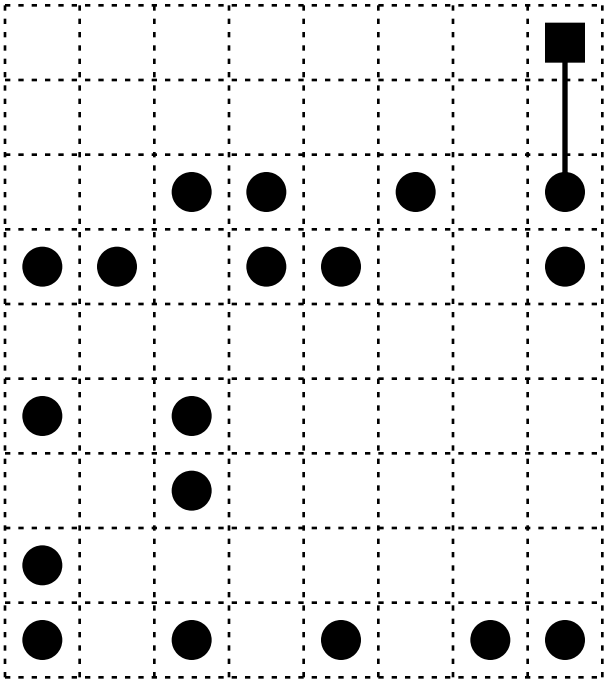
Draw exactly 8 lines.
Start on 1.
Do not pick up your pencil.



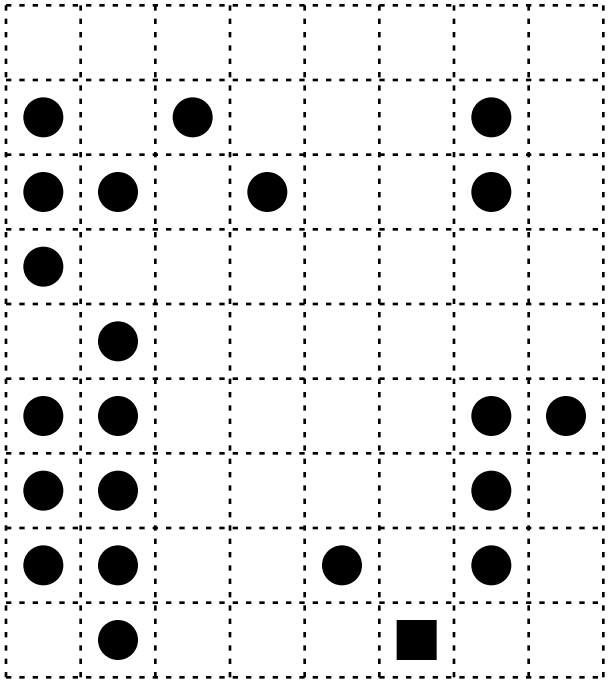
Draw exactly 8 lines.
Start on the square.
Do not pick up your pencil.



Draw exactly 7 lines.
Start on the square.
Do not pick up your pencil.



Draw exactly 9 lines.
Start on the square.
Do not pick up your pencil.



Name: _____

Complete each pattern. Write what the rule is. Hint: Look at movement of digits!

56826, 68265, 82656, 26568, 65682, 56826, 68265,

82656, 26568, 65682, 56826, 68265, _____, 26568

4557, 5574, 5745, 7455, _____, _____, _____,

_____, 4557, 5574, 5745, 7455, 4557, 5574

What is the rule for each pattern?

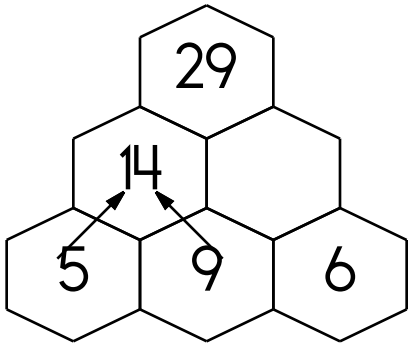
64, 110, 56, 101, _____, _____, 40, 83, 32, 74, 24, 65

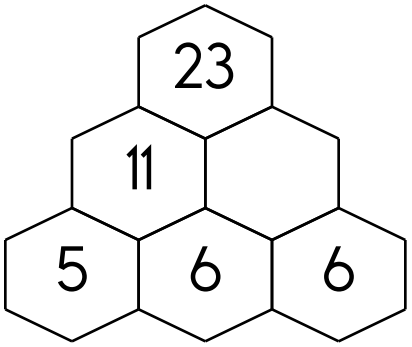
_____, _____, 54, 101, 47, 85, 40, 69, 33, 53, 26, 37, 19

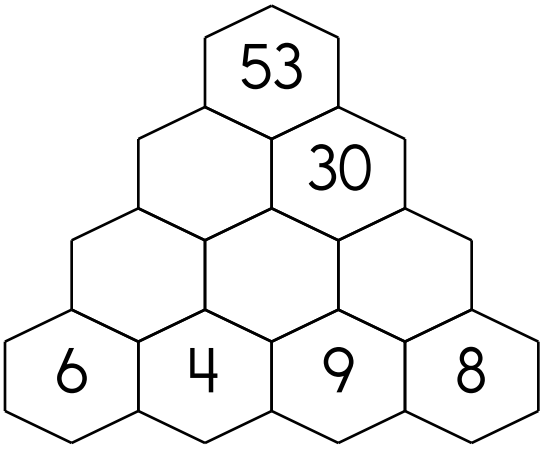
122, 36, 107, 32, 92, 28, 77, 24, 62, 20, 47, _____, _____, 12

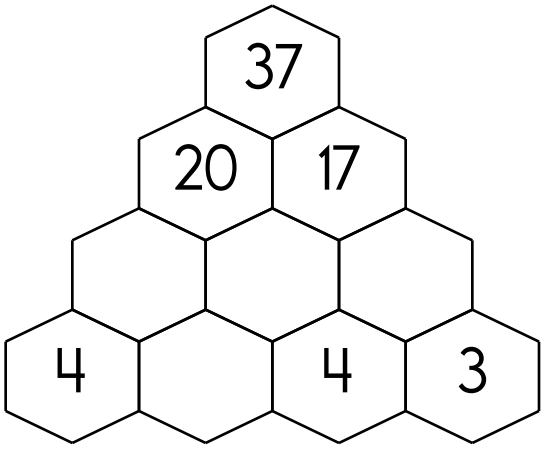
Name: _____

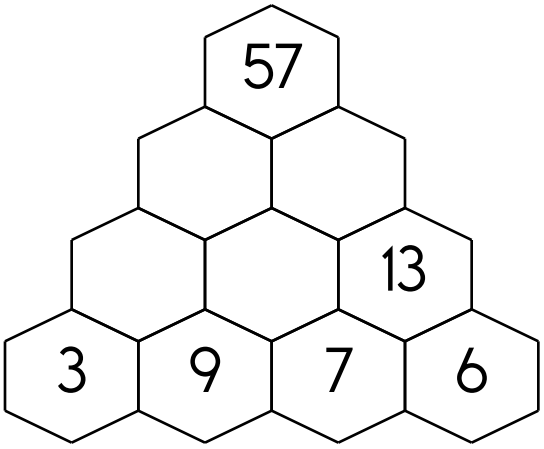
Fill in the blanks by adding the two numbers below each hexagon.

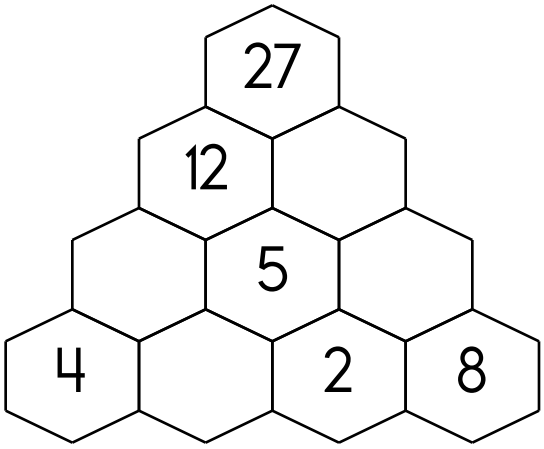












What is the least common multiple of 4 and 12?

What is the least common multiple of 3 and 7?

What is the least common multiple of 2 and 8?

Name: _____

Anna's pet is a king snake named Mick. Mick is still very young, so he is only fourteen inches long. When he is grown, he will be forty-eight inches long. How much longer will he be when he is grown than he is now? Oh, by the way, Mick refused to be dressed up as anything!

Connor and his friends decided to go to the pool on Friendship Day. The pool might be warm from the sun, but it would be cooler than the air! On Friendship Day, the air temperature was 105.1 degrees. The water temperature was 86.8 degrees. How much warmer was the air than the water?

12 x 7 =

Double the number 9 three times.

Write the least possible 2-digit number without repeating any numbers.

Three girls have an equal number of flags for the parade. In all, they have 15 flags. How many flags does each girl have?

The annual Elementary Health Fair will last for two weeks. If the fair ends on April 7, on what date will it open?

Dr. Toothsome, the TV dentist, said that 9 out of 10 dentists recommend Glistergreen. If that were true, how many dentists out of 160 would recommend Glistergreen?

Is 27 a composite or a prime number?

50 ÷ 5 = 10

How many minutes are there from 5:00 p.m. until 5:45 p.m.?

Name: _____

Cross off the number that does NOT belong.

11, 13, 15, 18, 21, 25, 29, 34, 39, 45, 51, 58, 60, 65, 73, 81, 90

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

4, 16, 9, 6, 28, 8, 40, 10, 52, 12, 64, 14, 76, 16

Why does _____ not belong in the pattern?

☐ I did page 6 ☐ I decided to skip this page

edHelper

Name: _____

Get a fidget spinner! Spin it.

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

9 + 5 - 3

32, 40, 48, 56, 64, 72, 80, _____, 96, 104

$$\begin{array}{r} 146 \\ +\ 86 \\ \hline \end{array}$$

double 30

double 600

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

9 - 2 x 2

Write the number that is one ten less than 4,160.

How much greater is 186 than 41?

37, 37, _____, 45, 67, 53, 82, 61, 97, 69, 112, 77

You have a playdate in 300 minutes. How many hours is that?

Rosa bought a pack of six waters. It cost $3.06. How much did each water cost?

☐ I did page 7 ☐ I decided to skip this page

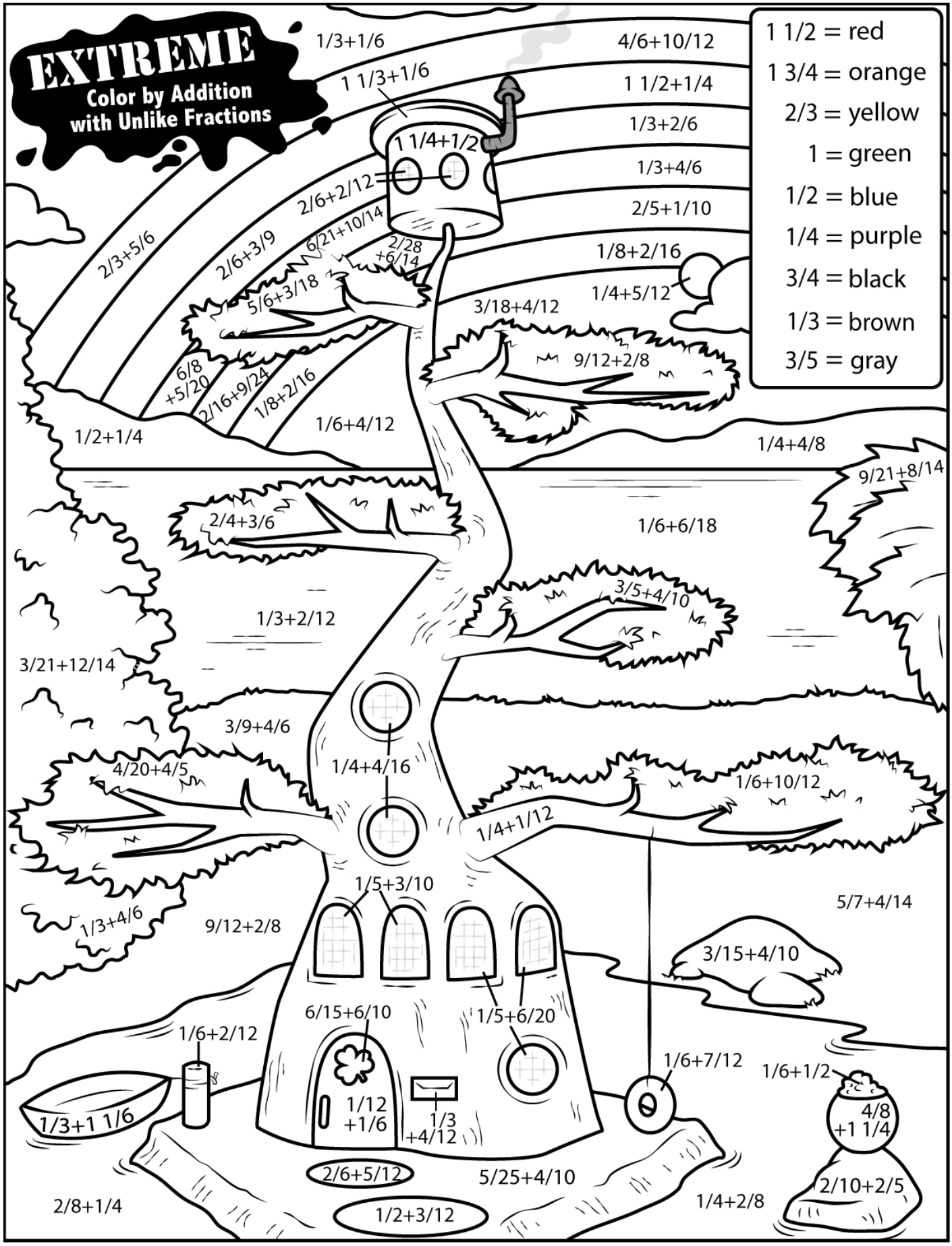
edHelper

Name: _____

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

Write this number: 2 ones, 7 tens, 9 hundreds	double 900	1 4 8 + 4 2
6 more than 656	5 + 3 + 3 - 2 - 2	If you know 71 + 24 = 95 Then what is 71 + 21?
How much greater is 179 than 44?	7 + 3 + 8	How many tens are in the number 39,000?
Amanda gave out a survey. The answers she got back were 9, 19, 10, and 17. What is the range of these numbers?	Write the number that has exactly 7 hundred thousands.	Adam earns $24 an hour. He worked 3 hours. How much did he make?

Name: _____


EXTREME
Color by Addition with Unlike Fractions
1 1/2 = red
1 3/4 = orange
2/3 = yellow
1 = green
1/2 = blue
1/4 = purple
3/4 = black
1/3 = brown
3/5 = gray
1/3+1/6
1 1/3+1/6
1 1/4+1/2
4/6+10/12
1 1/2+1/4
1/3+2/6
1/3+4/6
2/5+1/10
1/8+2/16
1/4+5/12
3/18+4/12
9/12+2/8
2/6+2/12
6/21+10/14
2/28 +6/14
5/6+3/18
2/3+5/6
2/6+3/9
6/8 +5/20
2/16+9/24
1/8+2/16
1/6+4/12
1/2+1/4
1/4+4/8
9/21+8/14
2/4+3/6
1/6+6/18
3/5+4/10
1/3+2/12
3/21+12/14
3/9+4/6
4/20+4/5
1/4+4/16
1/6+10/12
1/4+1/12
1/5+3/10
5/7+4/14
1/3+4/6
9/12+2/8
3/15+4/10
6/15+6/10
1/5+6/20
1/6+2/12
1/6+7/12
1/6+1/2
1/3+1 1/6
1/12 +1/6
1/3 +4/12
4/8 +1 1/4
2/6+5/12
5/25+4/10
2/10+2/5
2/8+1/4
1/2+3/12
1/4+2/8

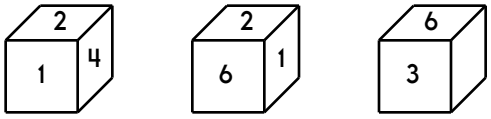
Name: _____

Hannah's grandfather is a truck driver. She made some cookies for him during Truck Driver Appreciation Week. She took $5 to the store. She spent $2.49 for chocolate chips and $1.59 for milk. How much change did she get back?

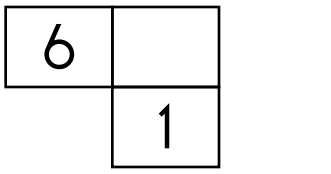
Peter is having a cookout at his house. He likes autumn better than any other season. Every year he has a party on the first day of autumn. This year Peter's cookout begins at 5:00 p.m. It is 3:40 p.m. on the day of the party. How long will it be until the party begins?

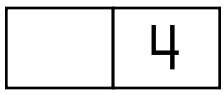
Gavin said that he had more books than anyone in his class. Jason said that he had more books. Connor said that he had even more books. Jason has 21 books. Gavin has 2 more books than Jason. Connor has 7 fewer books than Gavin. How many books does Connor have?

This is the look at one cube that is turned around a few times.



This pattern can be folded into the cube. Fill in the missing boxes.





Fill in the boxes so each line equals 8.

8			
☐	÷	1	
☐	-	8	
☐	x	4	
(☐	-	6)	+ ☐

Circle the relative adverb.

when, there, here, how

How many days are in November?

_____

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

_____

Name: _____

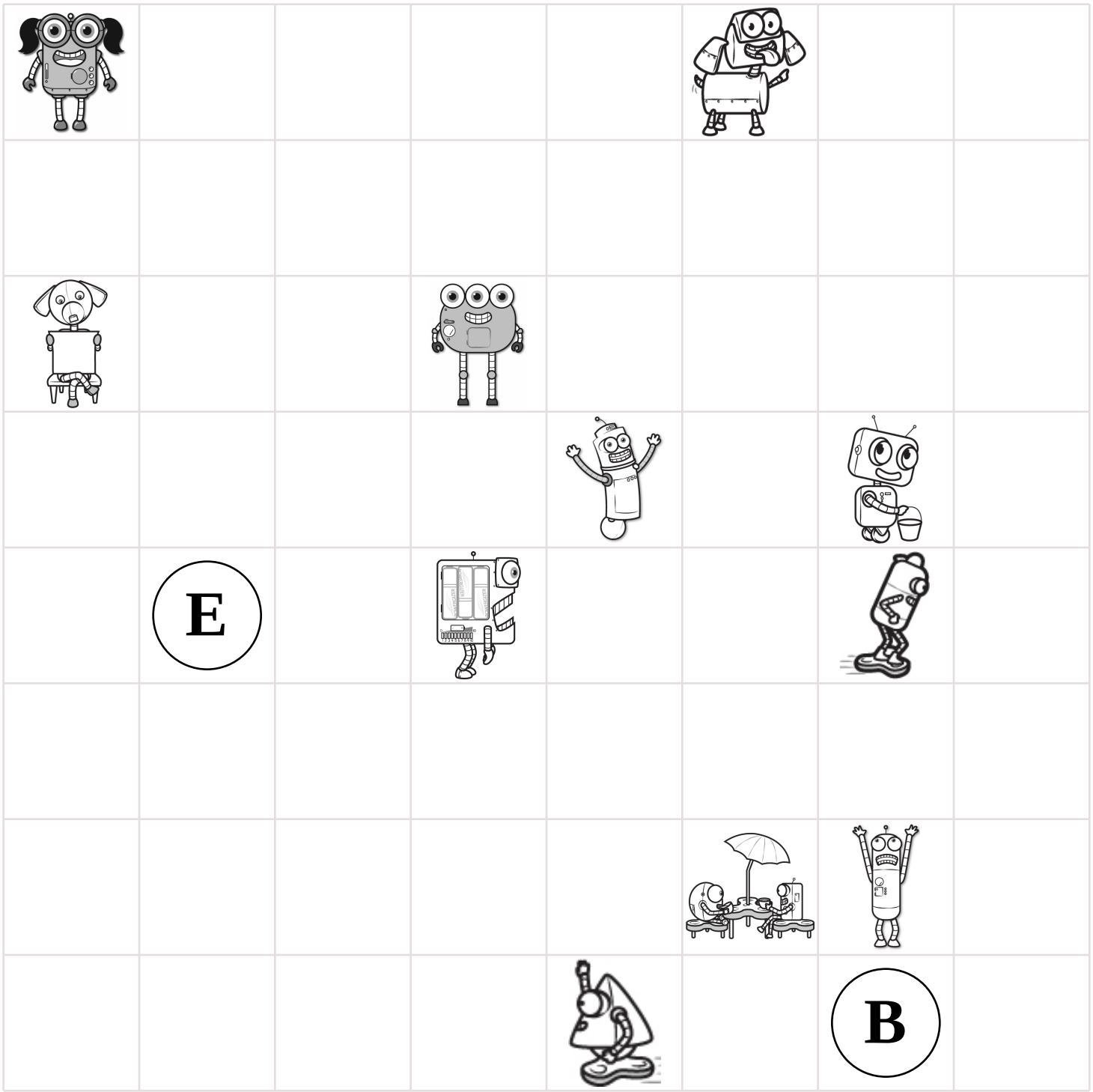
Robert has 13 clovers. Nathan has 7 more clovers than Robert. David has 2 more clovers than Robert.

If all three boys decide to share their clovers equally, how many clovers will each boy get?

Show your work.

Name: _____

Pick up all of the robots from the game board. Start on the **B** circle. Do not pick up your pencil. Draw a line going left, right, up, or down. **Every line must end on a robot or the E circle. No stopping on an empty box.** Try to collect all the robots and end your last line on the **E** circle. You can go through a robot more than once.



Didn't get them all? That's ok. This was hard. I missed only _____ robot/robots.

Name: _____

Women's History Month is celebrated every March. There are many fascinating women in history, one of whom is Ida B. Wells (1862-1931). While Rosa Parks (1913-2005) wouldn't give up her bus seat to a white man in 1955, Ida wouldn't give up her seat in a "whites-only" train car 71 years before that! Even though Ida got married in 1895 and remained married until her death, she was way ahead of her time when she chose to keep her maiden name rather than taking her husband's name as was traditional.
By how many years did the lives of the two women overlap?

Who lived longer – Rosa Parks or Ida B. Wells? By how many years?

Was Rosa Parks alive when Ida B. Wells refused to leave a "whites-only" train car? If so, how old would she have been? If not, how many years before her birth did it happen?

Name: _____

Puzzle:

				39
		5		50
5		5		31
5	5			38
35	41	36	46	+

Work Area:

				39
		5		50
5		5		31
5	5			38
35	41	36	46	+

The sum for each column and row is given.

= _____ = _____ = _____

= _____

Puzzle:

				24
				37
				41
				42
39	41	39	25	+

Work Area:

				24
				37
				41
				42
39	41	39	25	+

The sum for each column and row is given.

= _____ = _____ = _____

= _____ = _____ = _____

Name: _____

"Want to visit my farm?" asked Connor. "It's just me, my mom, my dad, my 3 sisters, my 8 spiders, my 3 chickens, and, last but not least, my 4 dogs."

"Yuck, did you say 8 spiders? Seriously?" asked Amanda.

"Yes, I did! Just answer the following math question. I didn't say these math questions make sense," said Connor with a big smile.

How many legs where Connor lives? If it helps, humans have 2 legs (duh!), spiders have 8, and you can figure out the rest!

Circle the number that is smallest.

eight thousand, five hundred or 852

two thousand, three hundred eighteen or 2,018

14,095 or fourteen thousand, two hundred ninety

eighteen thousand, nine hundred fifty-two or 18,950

Name: _____

Megan and Mary are bookworms. That means they have a lot of books! Together they have 45 books. Mary has more books than Megan. In fact, Mary has exactly twice the number of books that Megan has. How many books does Mary have?

Wendy needs to buy water for the cafeteria.

"Can you please pick up 61 quarts of water?" asked the principal.

When Wendy got to the store, they only sold water in gallon containers. How many gallons should she buy? (Hint: 1 gallon = 4 quarts)

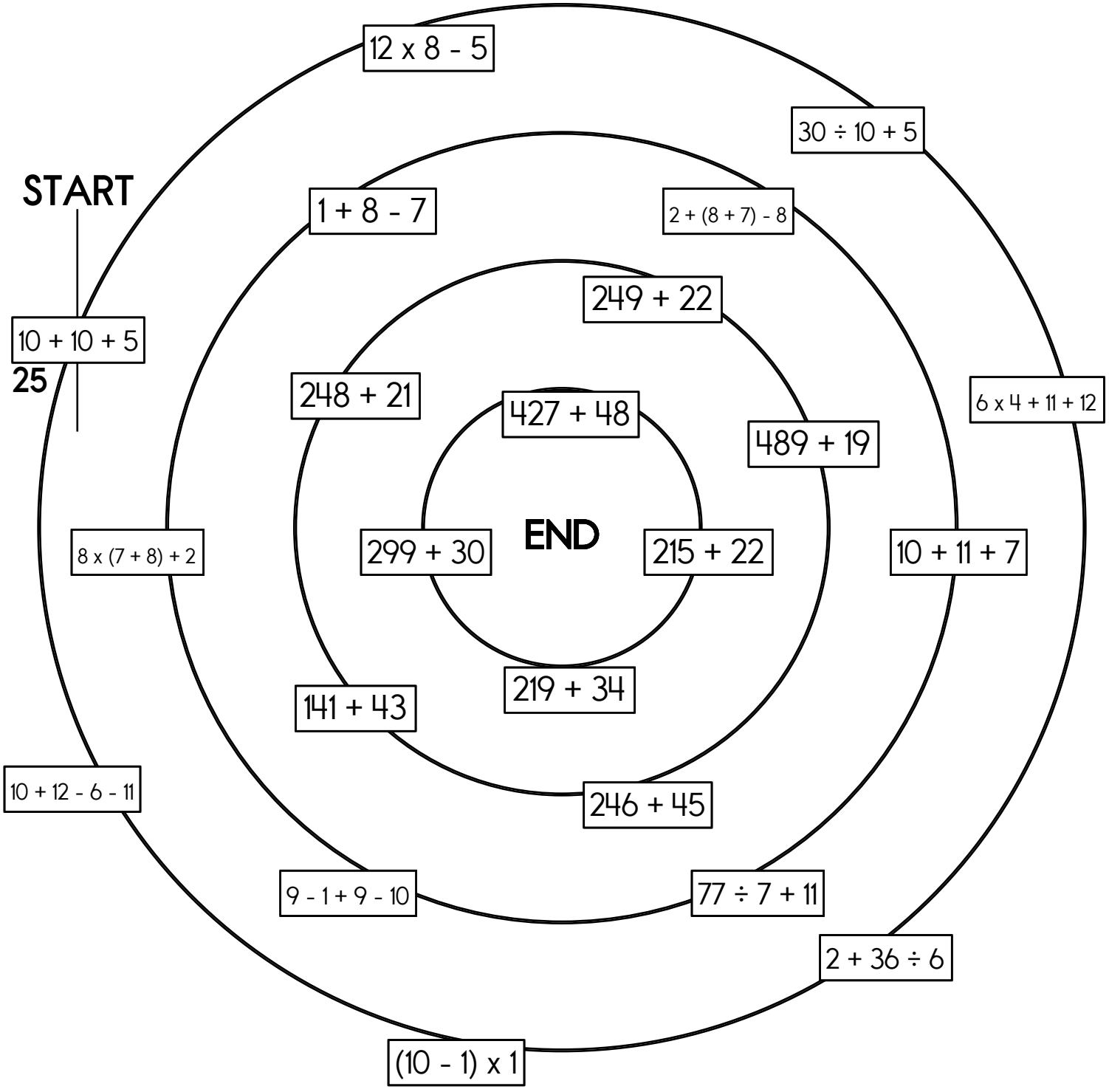
Name: _____

Draw a line from START to END.

508 ~~25~~ 237

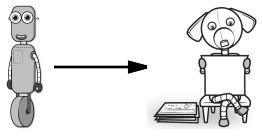
7

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



Name: _____

Help Robot find Rover. Make a path of increasing differences. You can only move to a box with a larger difference. Draw a line to show your path.



	61 - 27	97 - 61	94 - 79	84 - 46	90 - 39	98 - 29	85 - 47	64 - 60
51 - 48	39 - 35	63 - 58	69 - 57	43 - 39	46 - 13	82 - 36	44 - 20	53 - 15
67 - 54	20 - 11	23 - 16	49 - 39	58 - 27	62 - 30	89 - 20	99 - 70	63 - 55
93 - 75	78 - 53	66 - 37	56 - 37	38 - 19	95 - 24	74 - 59	43 - 28	34 - 32
91 - 49	41 - 22	68 - 38	48 - 12	98 - 61	56 - 17	64 - 22	70 - 12	36 - 28
48 - 19	49 - 12	59 - 56	86 - 15	67 - 26	77 - 31	57 - 12	86 - 32	83 - 21
57 - 43	82 - 42	85 - 78	97 - 83	65 - 40	54 - 21	68 - 20	97 - 42	66 - 65
66 - 25	80 - 76	50 - 29	35 - 16	25 - 20	42 - 36	76 - 24	87 - 31	

Name: _____

The digits in a 4-digit number add up to 30. The tens digit is 3. Can you name the number?

Is there only one possible answer?

12 x 4 =

April has 21 nickels. How much money is that?

triple 50 =

How many total legs are on 20 elephants.

70, 74, 78, _____, 86, 90

___ ÷ 6 = 12

Insert punctuation marks into this sentence.

How many instruments do you play? asked the band teacher.

How many 4s are in 44?

_____

Name: _____

It was a sunny day in South Toledo Bend. Not a cloud was in sight. In fact, South Toledo Bend had exactly 8 hours of sun for the day.

Tuckerman had sunrise at 4:32 a.m. and sunset at 8:44 p.m. and also had a completely sunny day. Amazing!

Which city had more sun for the day? How much more?

Is 30 a composite or a prime number?

What is the sum of 5 and 66?

Write the number that has exactly 4 tens.

6 x 4 + 7

How many total legs are on 70 chickens.

28 ÷ 7 =

How many seconds are in four minutes?

_____

What is the homophone of this word?
lye

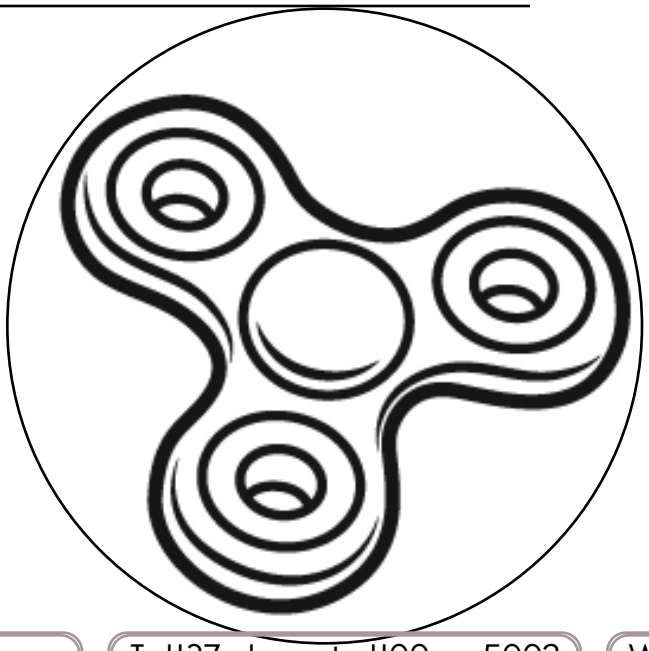
_____

Name: _____

Mr. Olivero wanted to make sure that each of his 25 students had enough school supplies to make it through the rest of the school year. When he added up all the work that would be done in each subject, Mr. O. calculated that each student would need approximately 10 pieces of paper per day. He found a great deal on 250-page spiral notebooks. They were on sale for $0.39. If there are nine weeks left in the school year, how many notebooks will each student need in order to have enough paper to last until school's out?

What will Mr. O's total be if he purchases enough notebooks for the entire class?

Name: _____



8 x (2 + 7)	Is 437 closer to 400 or 500?	What is 18 less than 1,899?
Find the product of 9 and 2.	double 12 =	What is the sum of 10 and 207?
60 ÷ 6 = 10	What number is halfway between 0 and 22?	How many tens are in the number 60?

Name: _____

Draw a small clock that shows 15 minutes to 7:00.	8 - 1 + 1	389 + 6 =
70, 75, 80, _____, 90, 95, 100, 105	Name the shape with four sides and four angles.	In the equation 33 x 325 = 10,725, which number is the product?
Write the greatest possible 5-digit number using only 2 different numbers.	Write the least possible 3-digit number without repeating any numbers.	Write a 2-digit odd number.
Round 73 to the nearest ten.	12 ÷ ___ = 6	Write the number that is one hundred less than 7,770.
E, L, F, M, G, N, _____, O, I, P	Double the number 10 three times.	A book has 5 pages. Each page has 12 dimes. How many dimes in the book?

Name: _____

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

$\frac{2}{100}$	●	●	five tenths
$\frac{82}{100}$	●	●	eighty-two hundredths
$\frac{7}{100}$	●	●	four and ninety-seven hundredths
$\frac{5}{10}$	●	●	seven hundredths
$4\frac{97}{100}$	●	●	$6\frac{2}{10}$
six and two tenths	●	●	five and six tenths
$5\frac{6}{10}$	●	●	two hundredths
$\frac{8}{10}$	●	●	eight tenths

W, O, T, M, Q, K, N, I, _____, G

You have a playdate in 300 minutes. How many hours is that?

There are 3 groups of 6 rocks. How many rocks?

Emma bought a pack of six waters. It cost $3.06. How much did each water cost?

How many minutes are there from 7:00 p.m. until 7:30 p.m.?

Round 867 to the nearest hundred.

word root **ver** can mean **true** **verdict, verbatim**

Name: _____

Justin bought 12 AA batteries. Each battery cost $1.20. Use the expression n x 1.2 to find the cost of the batteries.

Mrs. Johnson bought one dozen eggs. She used four of them to make a cake. She cooked two of them for breakfast. How many eggs were left?

Unscramble these letters to spell a two-digit number with two different digits.

rseyxeh-tit _____

t-ityegithhr _____ (38)

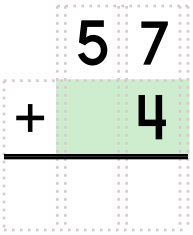
rtiht-fyfee _____ (53)

Connect coin groups to make 80 cents. How many groups can you make?

10 pennies	60 pennies	5 pennies
5 dimes	1 dime	10 pennies
12 nickels	1 quarter	1 dime

word root **il** can mean **in or into** **illuminate, illumination, illuminative**

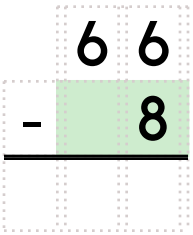
Name: _____



8, 10, 12, 14, 16,

_____, 20

double 800



Write this number:
7 tens, 3 ones, 2 hundreds, 4 thousands

7 - 1 + 6 - 5 + 6

There are 2 groups of 4 rocks. How many rocks?

Draw a small clock that shows 15 minutes past 7:00.

(5 - 4) + 1

30 ÷ ___ = 6

How many total legs are on 21 dogs.

How many tens are in the number 1,200?

Write the number that is one thousand less than 3,999.

6 x 12 + 10 - 2

Find the product of 7 and 3.

Name: _____

In 2002, the average person in the United States ate about 19 quarts of ice cream. There are 457 students at Miller High School. About how many quarts of ice cream did the students eat in 2002?

Jacob made 88, 91, 82, and 73 on his math tests. What was his average test score? Round your answer to the nearest tenth.

Mary likes to read. She is reading a book about President Lincoln. She reads 18 pages in an hour. Based on this rate, how many pages does she read in 4 hours?

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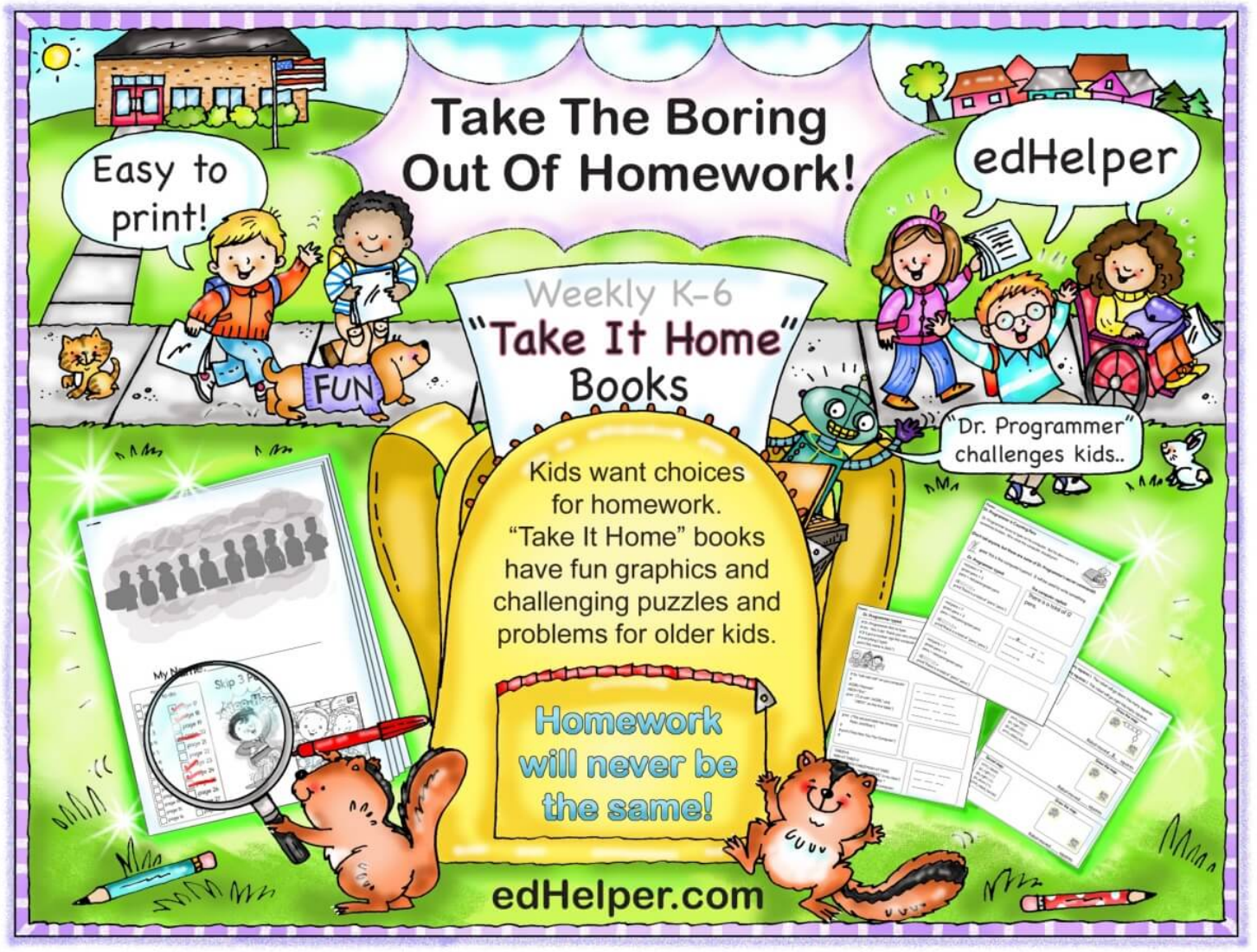
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