Name: _____

Find the missing numbers. These both have the same rule. What is the rule?

If

1 , 12 = 12

2 , 14 = 28

3 , 19 = 57

4 , 23 = 92

Then

5 , 25 = ?

If

4 , 10 = 40

5 , 14 = 70

6 , 16 = 96

7 , 21 = 147

Then

8 , 26 = ?

Complete each pattern. Write what the rule is.

84	77	70
63		49
42		28
21		7

Name: _____

X		4		8		1	1
	___ x ___	12 ___ x 4	___ x ___	___ x 8	___ x ___	___ x 1	___ x 1
	56 ___ x ___	28 ___ x 4	___ x ___	___ x 8	___ x ___	___ x 1	___ x 1
	___ x ___	___ x 4	___ x ___	___ x 8	___ x ___	___ x 1	8 ___ x 1
7	56 7 x ___	28 7 x 4	7 x ___	7 x 8	14 7 x ___	7 x 1	7 x 1
	___ x ___	___ x 4	___ x ___	___ x 8	___ x ___	7 ___ x 1	___ x 1
9	9 x ___	9 x 4	9 x ___	9 x 8	9 x ___	9 9 x 1	9 x 1
7	56 7 x ___	7 x 4	7 x ___	56 7 x 8	7 x ___	7 x 1	7 x 1
4	4 x ___	4 x 4	12 4 x ___	32 4 x 8	8 4 x ___	4 x 1	4 4 x 1

Write the numeral for four hundred sixteen.

_____

6 6
4 1
+ 9 0

Complete the sentence using *who, what, when, where, or why* .

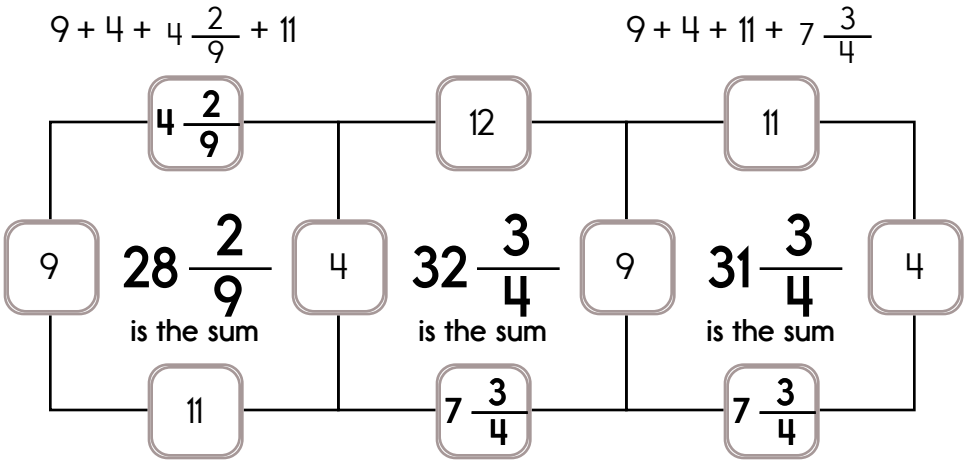
Aunt Tina asked me _____ I want for my birthday.

word root **dict** can mean **speak or say** **contradict, diction, predict**

Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

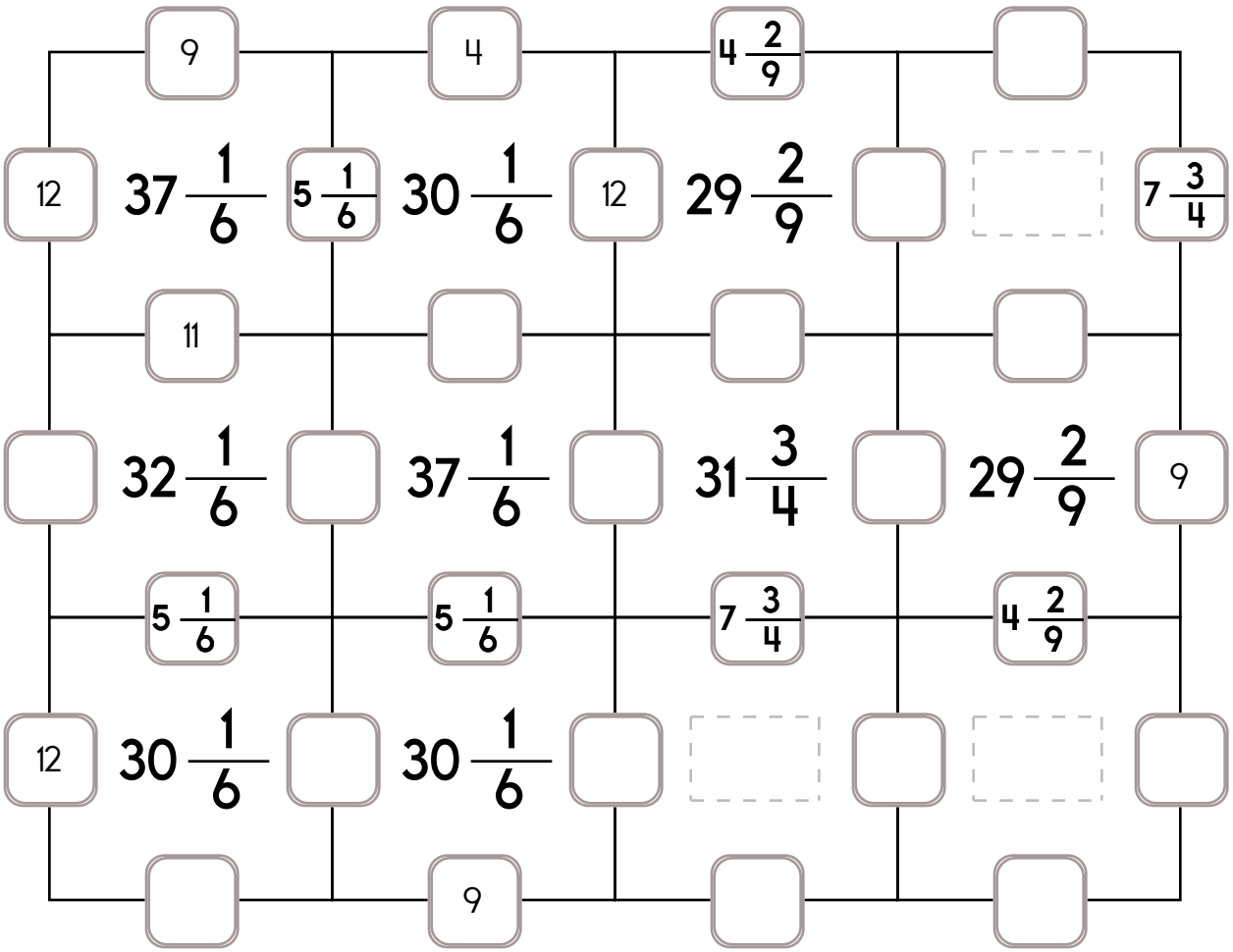
Sample:



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: $7\frac{3}{4}$, $4\frac{2}{9}$, or $5\frac{1}{6}$.

The other three numbers have to all be DIFFERENT and must be from these: 4, 9, 12, or 11.

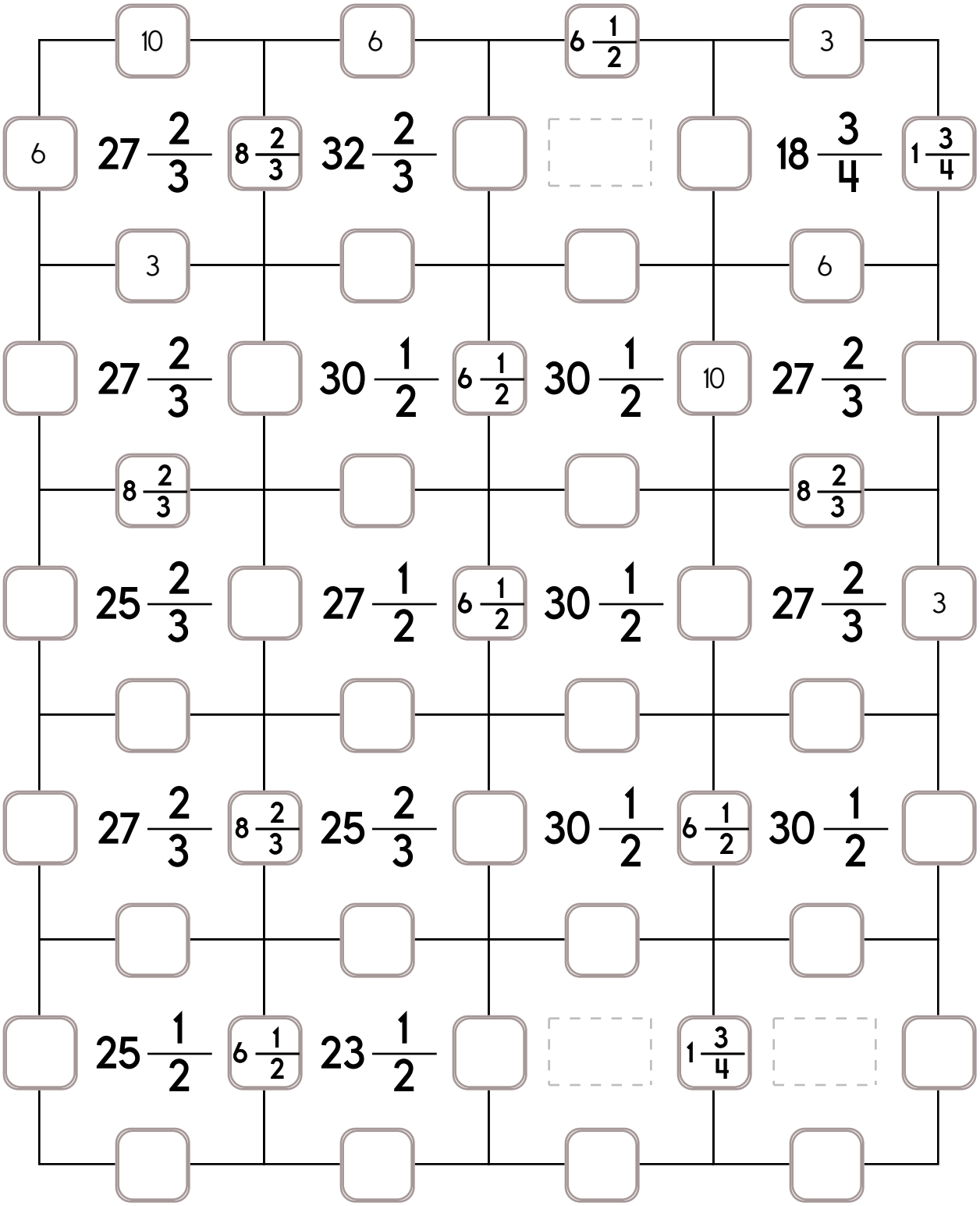


Name: _____

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: $8\frac{2}{3}$, $1\frac{3}{4}$, or $6\frac{1}{2}$.

The other three numbers have to all be DIFFERENT and must be from these: 10, 6, 3, or 8.



Name: _____

Nathan found a bag of marbles at the thrift shop. There were red, blue, and yellow marbles in the bag. He grabbed a handful of marbles and got 5 red marbles, 1 blue marble, and 6 yellow marbles. If Nathan put his marbles in a new bag and you picked one at random, which color would you most likely pick?

Robert played a joke on his father. On Mirth Day Robert planted 12 potato plants in his father's garden. He watered the plants and took care of them until the potatoes were ready to dig up. His father was very proud of him. Then he saw the potatoes. There were 14 purple potatoes on each plant! How many purple potatoes were there in all?

Justin is taking a 24-hour walk challenge. He is trying to stay awake for 24 hours and plans to walk as far as he can. Each hour he plans to sit and rest for 6 minutes. If he is able to do this, how long will he spend walking and not resting during the 24 hours?

Fill in the missing numbers.

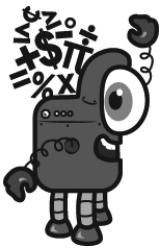
_____ x 6 = 16 + 56

_____ x 8 = 25 + 31

_____ x 7 = 18 + 45

Name: _____

Mental Math — #1 —



☺ Start with the number 2. 2

☺ Add the number of legs on 5 pigs. _____

2 2 1 6 3 3 6 7 8 5 (Circle your answer to double check you are correct.)

☺ Increase that number by 12. _____

7 6 5 6 9 7 2 3 4 8

☺ Add a dozen. _____

3 2 4 6 6 4 2 5 9 7

☺ Increase that number by 9. _____

6 4 1 9 5 5 5 7 9 8

☺ Add half of 26. _____

2 6 8 7 1 4 5 3 9 4

Mental Math — #2 —

✸ Start with the product of 7 and 5. _____

6 0 2 7 7 3 5 1 9 0 (Circle your answer to double check you are correct.)

✸ Increase that number by 14. _____

8 5 6 4 3 6 4 9 4 2

✸ Add the digits in your number. The sum of that is your new number. _____

6 4 2 1 3 1 3 5 8 6

✸ Increase that number by 4. _____

1 7 7 7 5 0 4 3 3 9

✸ Add the number of quarters in a dollar. _____

7 5 5 3 2 1 2 2 4 2

✸ Divide by 3. _____

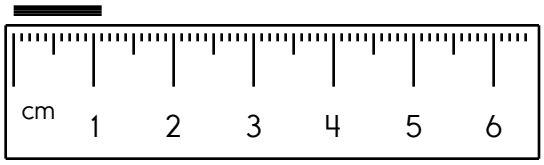
7 6 5 9 9 5 8 7 6 1

Name: _____

There are 8 dogs on each sled team. How many teams can be made from a group of 104 dogs?

Write the length in centimeters.

_____

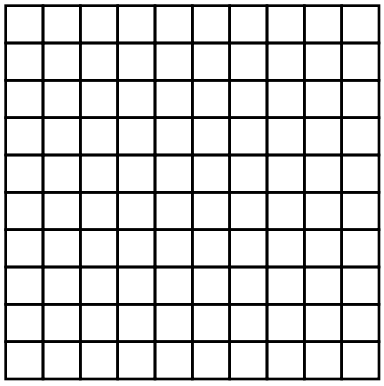


How many feet are in five yards?

_____

- ○ chor
- ○ chart
- ○ choort
- ○ chirt

Color $\frac{60}{100}$.



Do you use A.M. or P.M. to write 6:00 in the evening?

_____

Write a word to describe November.

_____

$$\begin{array}{r} 44 \\ -\ 13 \\ \hline \end{array}$$

Give an example of an abstract noun.

_____

Name: _____

0 • 3 • 1 • - • 9 • - • 1 • 8 • 0 • 1 • 3 • - • 3 • 9 • - • 3 • = 6 • - • 0

Use the pieces above to help you fill in the runaway math puzzle.

					+	4	+	1	=	5	
4			0		+						
+			+		1						
6			5	+		=	8				
=			+			8		9	=		0
	4							-		-	
0	+	0	=					6		7	
	9							=		=	
	=							3		4	
	1									-	
										2	

If a = 19, then what does a - 10 equal?

_____

Color in $\frac{2}{3}$ of the rectangle.

across →

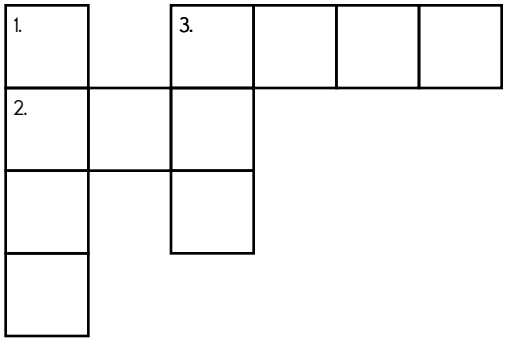
2.  ___w___

3.  ___oot

down ↓

1.  s___ar

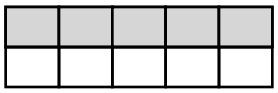
3.  ___ ___y



word root **tempor** can mean **time** **contemporaneously, extemporaneously, temporary**

Name: _____

Write a fraction to represent what is shaded.



_____

```
  96
- 56
____
```

It is 40 degrees Fahrenheit outside. What would you wear if you are going outside?

_____

What is the value of the BIG digit?

138,3**0**4,957

_____

4 x 4 = _____

3 x 3 = _____

Complete each analogy with the best word.

four hard sheep

snow is to soft as

ice is to _____

continents is to seven as

oceans is to _____

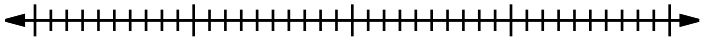
zoo is to lion as

farm is to _____

If B = 3, then what does B plus B equal?

_____

Locate where to put the number 669,000 and label the point D.



663,000 683,000

```
  5
x 1
___
```

```
  5
x 3
___
```

Round the number to the place value of the BIG number.

26,5**1**8,681

_____

2 x 4 = _____

Name: _____

1,519 - 894	152 + 590	127 + 873	756 - 630	344 + 916
1,142 - 633	608 + 478	514 - 222	1,213 - 560	796 + 570
831 - 494	650 + 545	818 + 932	1,136 - 769	1,244 - 973
603 + 449	484 + 648	1,793 - 894	309 + 387	272 + 863
159 + 822	442 - 110	446 - 129	1,137 - 653	959 + 154
1,341 - 476	1,081 - 356	1,118 - 922	915 + 637	882 + 849
1,122 - 429	1,519 - 943	416 + 312	1,045 - 378	552 + 730

2
+ 6
□

+ 3
□

+ 4
15

+ □
20

+ □
23

+ 7
□

+ 6
□

- 2
34

- □
31

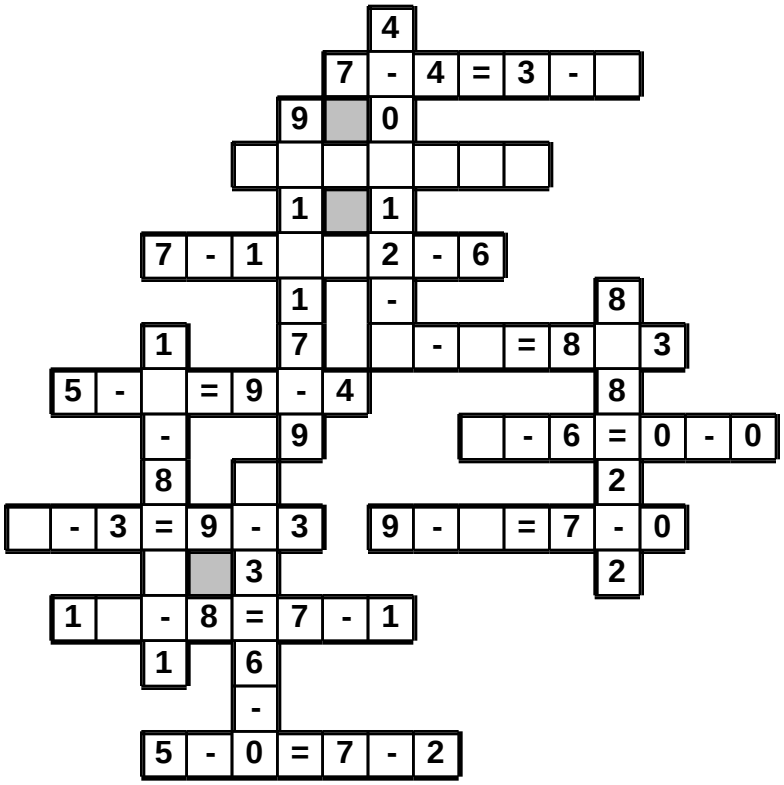
+ □
33

- □
30

Name: _____

0 • 7 • - • 6 • = • 9 • - • 8 • = • 1 • 8 • 3 • - • 0 • 6 • 9
9 • 2 • 3 • 4

Use the pieces above to help you fill in the runaway math puzzle.



Would you use a ruler or a yardstick to measure the length of a door?

_____

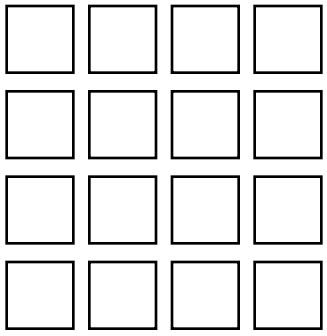
Do parallel lines intersect?

_____

Is 11 prime or composite?

_____

Color in $\frac{3}{4}$.



Which is larger, $\frac{4}{5}$ or $\frac{1}{5}$?

_____

If ☐ = 7, then 9 + ☐ = _____

$$\begin{array}{r} 11 \\ \times\ 12 \\ \hline \end{array}$$

word root **miss** can mean **let go or send** **admission, emissary, intermission**

Name: _____

$$4\frac{4}{7} + 8\frac{2}{7} = \_\_\_\_$$

Reduce $\frac{5}{15}$ to its lowest terms.

Reduce each fraction to a mixed numeral in its lowest terms.

$\frac{39}{12}$ =

$\frac{24}{20}$ =

$\frac{18}{8}$ =

$\frac{21}{15}$ =

There are 2 groups of 3 rocks. How many rocks?

This number is one thousand less than 4,803.

4 x 12 - 8

10 x __ = __ = 6 x 20

6 x 9 = __ = 3 x __

10 x __ = 90 = __ x 5

6 x __ = __ = 2 x 24

10 x __ = 120 = __ x 60

7 x ___ = 84 = ___ x 14

6 x ___ = 12 = ___ x 3

3 x ___ = 24 = ___ x 4

5 x ___ = 50 = ___ x 25

6 x ___ = 54 = ___ x 27

Erin bought a stuffed animal at the school store. She paid with a $10 bill. She was given back 2 dimes and 5 quarters for change. How much was the stuffed animal?

How much greater is 189 than 44?

How many tens are in the number 20?

double 53 =

Name: _____

The old truck had taken its owners for many, many miles. The odometer read 128,356.4. The owners had driven the truck 85,982.4 miles for business. How many miles did the owners drive that were not for business?

According to the makers of Play-Doh, over two billion cans of Play-Doh have been sold since 1956. If 4.8 million cans of Play-Doh were sold this year, how many cans of Play-Doh were sold before this year? State your answer in millions.

Rose needs to buy water for the cafeteria.

"Can you please pick up 93 quarts of water?" asked the principal.

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

The digits in a 4-digit number add up to 6. The tens digit is 3. Can you name the number?

Is there only one possible answer?

Name: _____

Ack! Wendy forgot how to unlock her phone, but it has a special unlock program. The program says that the unlock code is 4 digits. All the digits are different numbers. The digit in the ones place is 2 more than the digit in the tens place. The digit in the tens place is 2 more than the digit in the hundreds place.
Any number that fits the above rules will work. Can you name one number that will work?

Anna has a lot of cones! She put down one cone outside of her house. She then walked six hundred inches and put down another cone. She kept doing this. By the time she put down her last cone she had walked four thousand, eight hundred inches. How many cones did she put down?

Compare these numbers and write something about them, such as why they are similar or different.

11,085

46,085

4,085

April keeps getting better each time she plays ZapIt. The first game she got 24,018 points, the second game she got 29,026 points, and the third time she got 34,034 points. A pattern! Wow, weird. What's your guess for how many points she will get in her fourth game? Why?

Name: _____

Write how many should go into each box.

Put 50 toys into 10 boxes. 5 toys per box

Put 40 toys into 4 boxes. _____

Put 22 toys into 2 boxes. _____

Put 132 toys into 11 boxes. _____

Put 49 toys into 7 boxes. _____

Put 80 toys into 8 boxes. _____

Round to the nearest ten.

4,642 is rounded to _____

3,689 is rounded to _____

2,614 is rounded to _____

How many ninths are in 5?

_____

What number is ten thousand more than 6,191?

_____

Write all the factors for each number.

21 1, 3, 7, 21

12 _____, _____, _____, _____, _____, _____

44 _____, _____, _____, _____, _____, _____

Write the number with 3 hundreds and 5 thousands.

_____

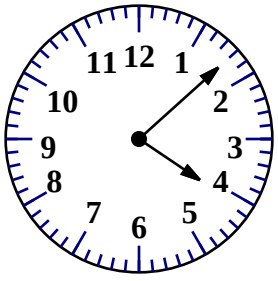
Expand the number.

1,699 = _____ + _____ + _____ + _____

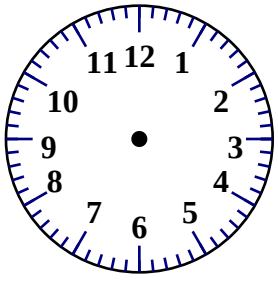
Which number is five thousand six hundred thirty-seven?

5,637 5,736

56,037 7,653



current time



30 minutes later

$$\begin{array}{r} 40 \\ +\ 19 \\ \hline \end{array}$$

89 - 16 = _____

What is the area of a rectangle that measures 12 mm by 7 mm?

_____

word root **dis** can mean **apart or opposite of** **dissect, dissonance, distort**

Name: _____

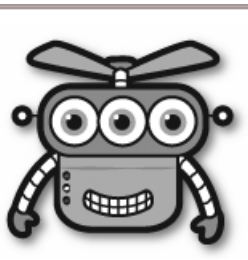
Complete each pattern.

5, 6, 5, 6, 5, 6, 5, 6, 5, 6, ___, ___
0, C, 0, C, 0, C, ___, C, 0, C, 0, C
0, 5, h, 0, 5, ___, ___, 5, h, 0, 5, h, 0

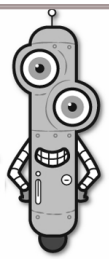
Complete each pattern. Write what the rule is. Hint: Look at movement of digits!

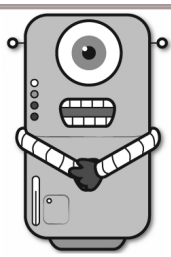
6141, 1416, 4161, 1614, _____, _____, 4161, 1614, 6141, 1416, 4161, 1614, 6141, 1416
_____, _____, 67879, 78796, 87967, 79678, 96787, 67879, 78796, _____, _____, 96787, 67879, 78796

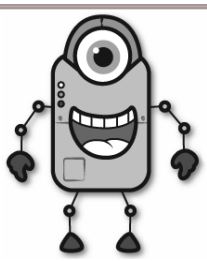
Name: _____


Anna


Rosa


Jacob


Kevin


Anne

Facts

Rosa is five times as old as Anna.

Anne is five years older than Rosa.

Jacob is fifty-eight years older than Rosa.

Anna is three years old.

Kevin is forty-seven years older than Anna.

How old is Anna? _____

How old is Rosa? _____

How old is Jacob? _____

How old is Kevin? _____

How old is Anne? _____

Round 98 to the nearest ten.

17, 34, 51, 68, 85,

_____, 119, 136

How many total legs are on 11 ants?

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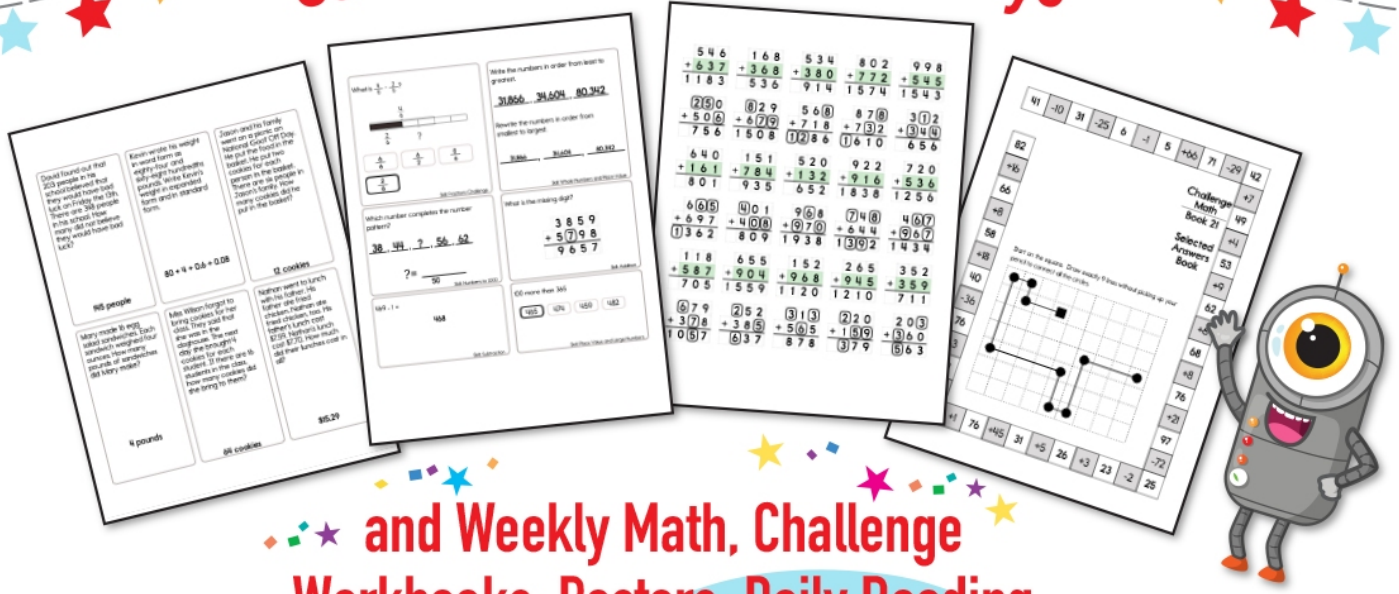

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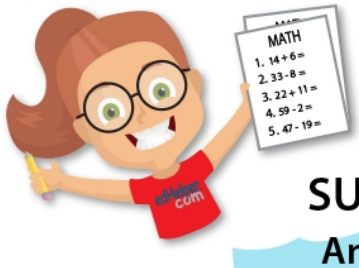

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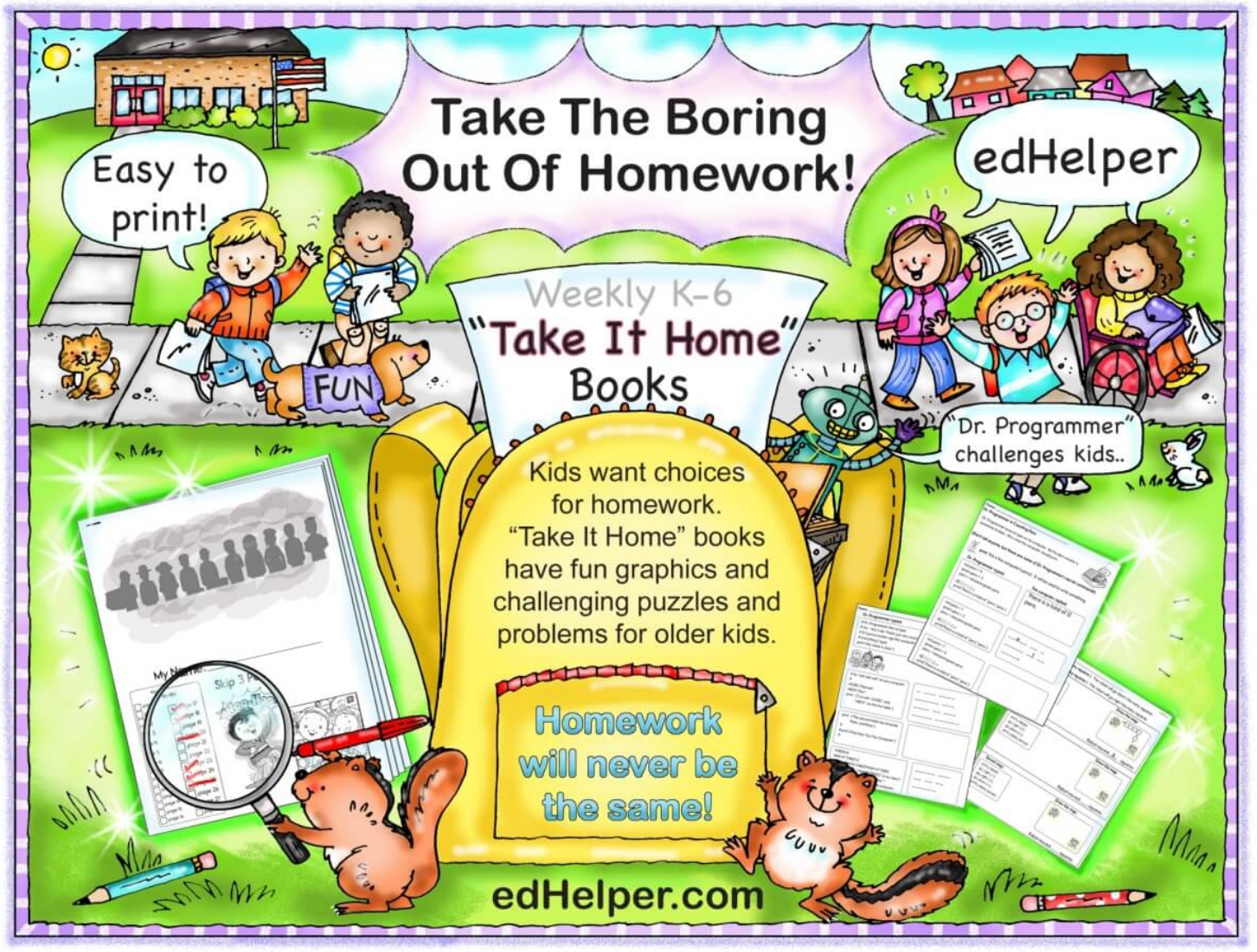
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