Name:_____

Dear Students,

I have enjoyed having each one of you in math class this year. I am so proud of each of you!! You all are so resilient, and I am impressed with all that we were able to accomplish! The attached sheets are to help you practice your new skills over the summer. Your 6th grade math teacher will be looking forward to seeing your completed work when you return next year. Don't forget to space out your homework, so you can continuously practice your skills throughout the summer.

I wish you the best of luck in 6th grade. Please stop by and say hi when you see me in the hallway!

Enjoy the summer; you deserve it!

All the best,

Mrs. Nida

Once you've completed your summer work, please have your parents answer the following::

My child completed his/her summer work: (Please select one)

Mostly Independent: _____

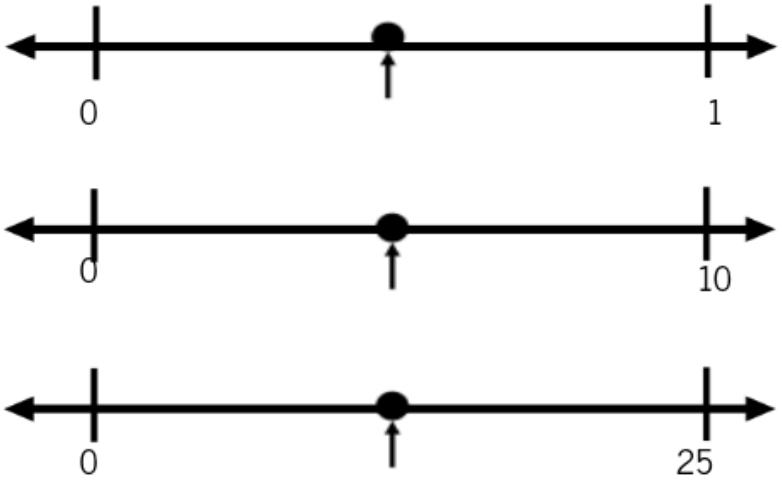
Adult/sibling help was required to be successful: _____

My child worked with a tutor to complete summer work: _____

Tutor's Name: _____

Name:_____ Week: 1

What's the point?



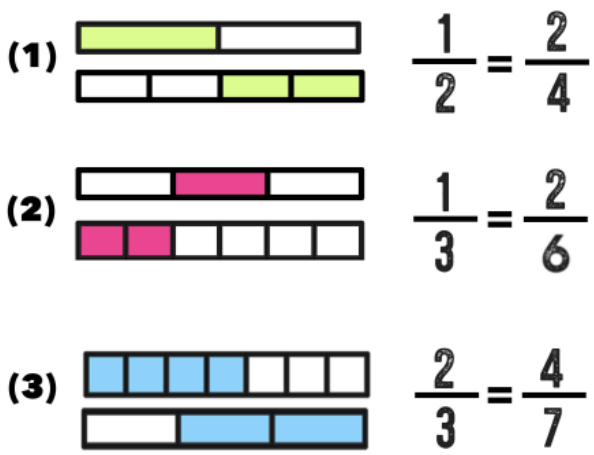
Number String - Use what you know to answer:

4 x 25	
8 x 25	
10 x 25	
12 x 25	
15 x 25	
20 x 25	

Sums and Products: Find a pair of numbers that add and multiply to the given numbers.

Sum of	Product of	
7	12	
13	36	
15	56	
17	60	

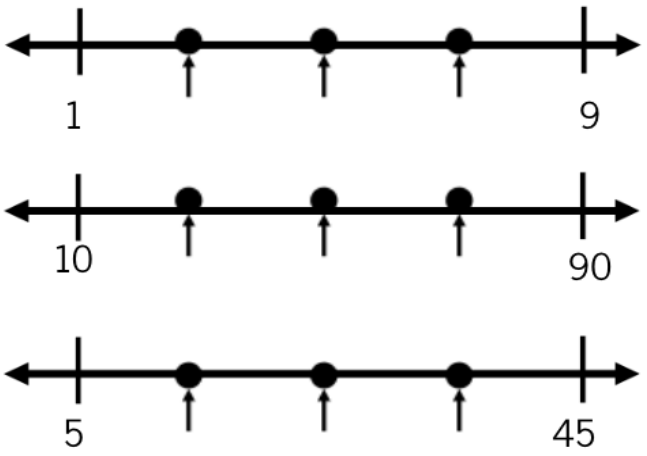
Two Truths and a Lie
Select the one that is not true and explain your reasoning.



Explain:

Name:_____ Week: 2

What's the point?



Area model - Use an area model to multiply: 34 x 16

_____ _____

_____

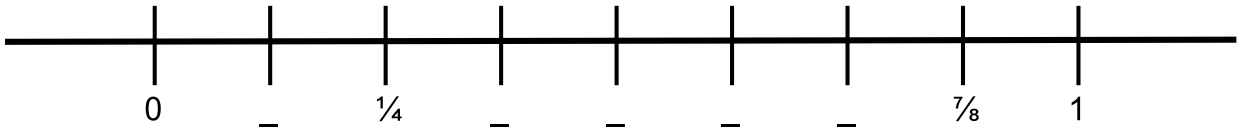
_____

Answer:

What's My Rule? Use the information to fill the blanks.

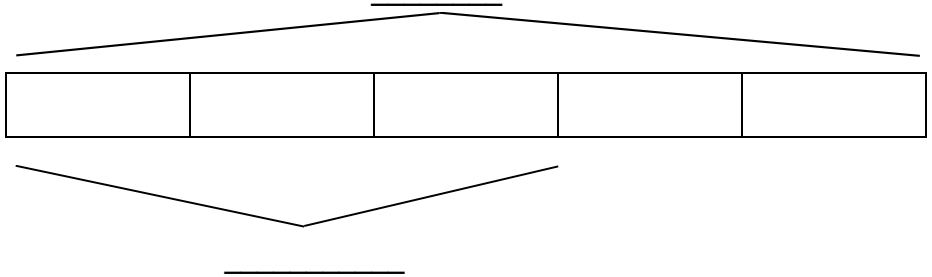
IN	4	9	10		31	37	53		152	
OUT	9		15	24	36			104		201

Complete the number line.



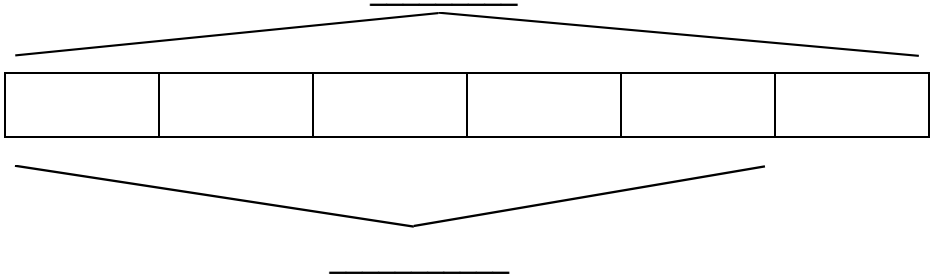
Name:_____ Week: 3

Determine the whole. If ⅗ represents 12, how much is in a whole? Label and use the bar model to help you.



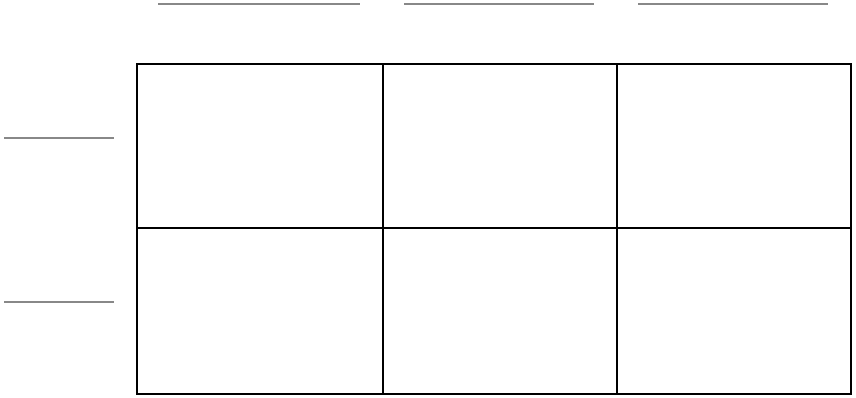
Answer:

Determine the part. If 1 whole represents 12, how much is ⅚ worth? Label and use the bar model to help you.



Answer:

Area model - Use an area model to multiply: 515 x 12



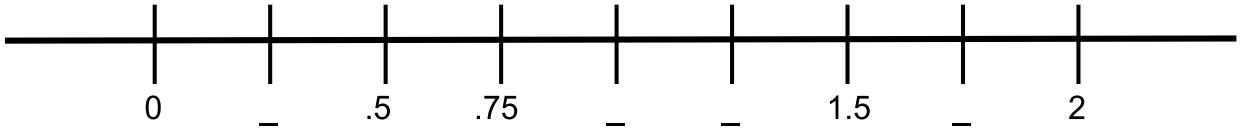
Answer:

Adding Fractions
Add and put in simplest form.

1. 2/3 + 1/4 =

2. 5/6 + 3/8 =

Complete the number line.



Name:_____ Week: 4

Give and Take. Use what you know to answer.

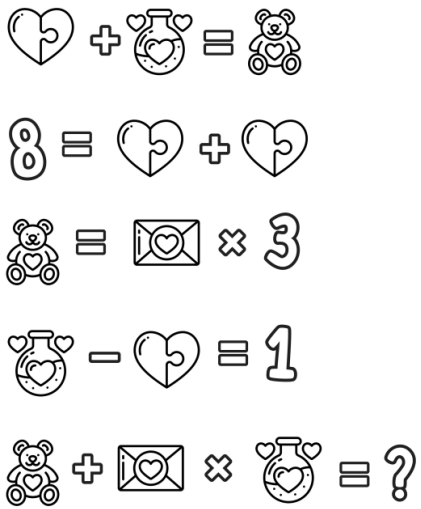
67 + 28 = _____ + 25
42 + 139 = 41 + _____
387 + _____ = 400 + 502

Chunking Method. Complete the table.

4 x 50 =
4 x 6 =
4 x 56 =
20 x 8 =
2 x 8 =
22 x 8 =
12 x 13 =

PUZZLE TIME!

Directions: Find the value of each symbol and the '?'



Complete the table.

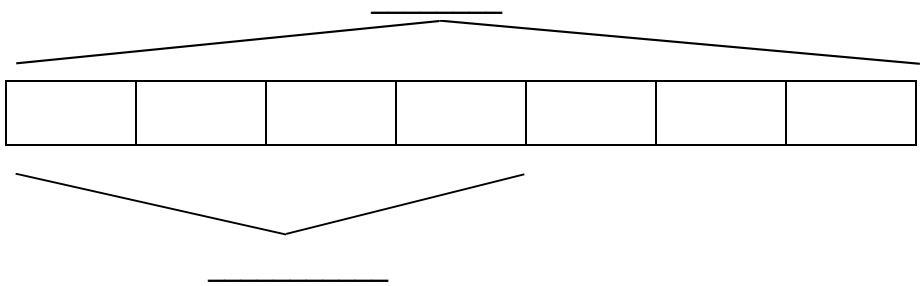
1 whole has how many ⅓?	
2 wholes have how many ⅓?	
2 ⅔ have how many ⅓?	
1 whole has how many ⅔?	
2 wholes have how many ⅔?	

Use the diagram below to help you.

1 whole		
1/3	1/3	1/3

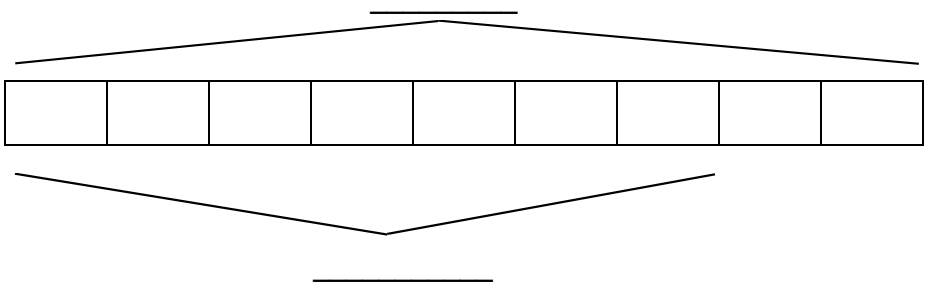
Name:_____ Week: 5

Determine the whole. If 4/7 represents 12, how much is in a whole? Label and use the bar model to help you.



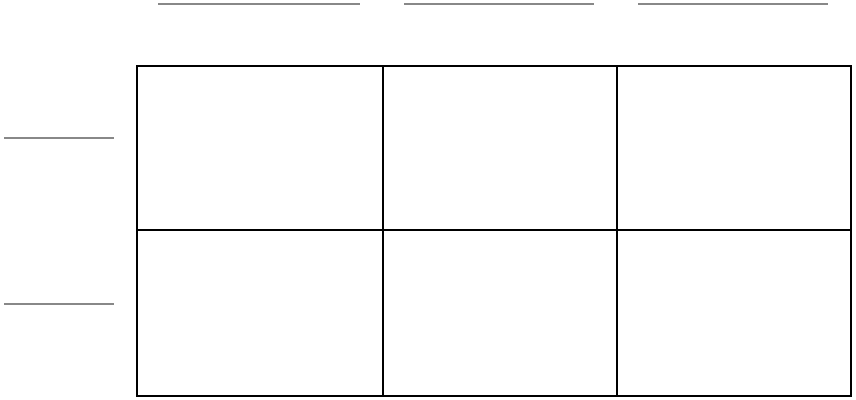
Answer:

Determine the part. If 1 whole represents 45, how much is 7/9 worth? Label and use the bar model to help you.



Answer:

Area model - Use an area model to multiply: 635 x 18



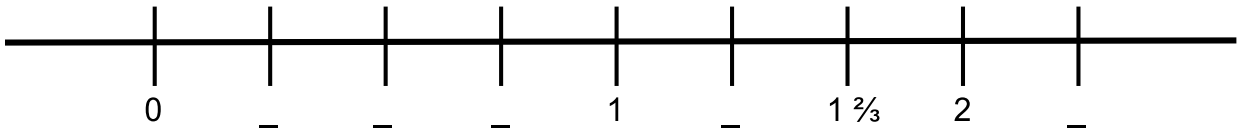
Answer:

Adding Fractions
Add and put in simplest form.

3. 3/4 + 1/3 =

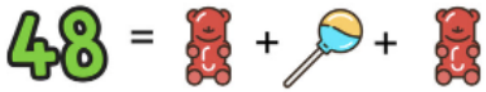
4. 5/6 + 2/3 =

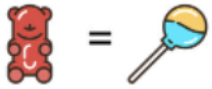
Complete the number line.



Name:_____ Week: 6

Use your math skills to determine the value of each.

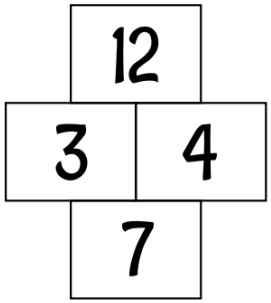


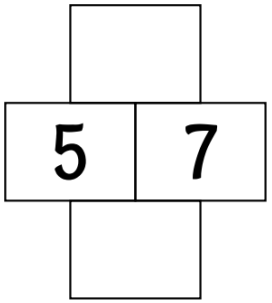


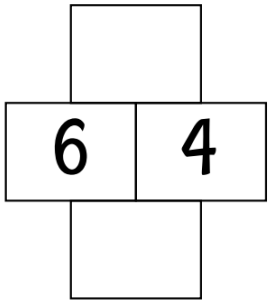
_____ + _____ + _____ + _____ = _____

Factor Puzzles. Use the example to figure out how the four pieces are related to each other. Use the pattern to complete the blanks in the other puzzles.

Example







What's My Rule? Use the information to fill the blanks.

IN	3		5	8	10	12	15
OUT		36		72			

What Number Am I?

I am between 30 and 50. The sum of my digits is 10. My ones digit is greater than my tens digit. I am not 37. Who am I? _____

Name:_____ Week: 7

Number String. Use what you know to answer.

6 x 12 =
6 x 1.2 =
6 x 0.12 =
0.6 x 12 =
0.6 x 1.2 =
0.6 x 0.12 =

Chunking Method. Complete the table.

14 x 20 =
14 x 8 =
14 x 28 =
27 x 9 =
20 x 9 =
7 x 9 =
26 x 4 =

Who am I?

You are given 3 numbers. If you add them all together, you will get the same result as if you multiply them all together.

What are we?

Complete the table.

1 whole has how many ¼?	
2 wholes have how many ¼?	
½ has how many ¼?	
2 ½ have how many ¼??	
2 ¾ has how many ¼?	

Use the diagram below to help you.

1 whole			
1/4	1/4	1/4	1/4

Name:_____ Week: 8

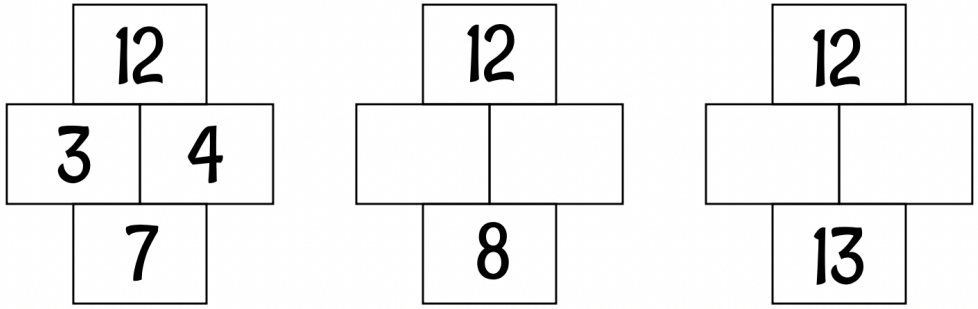
Who am I?

- I am more than 650.
- I have the digit 8 in my ones place.
- I am less than 750.
- The sum of my three numbers is 18.

Who am I?

Factor Puzzles. Use the example to figure out how the four pieces are related to each other. Use the pattern to complete the blanks in the other puzzles.

Example



Complete the table.

1 whole has how many ⅙?	
2 wholes have how many ⅙?	
½ has how many ⅙?	
⅓ has how many ⅙?	
2 ½ have how many ⅙?	
2 ⅔ has how many ⅙?	

Use the diagram below to help you.

1 whole					
1/6	1/6	1/6	1/6	1/6	1/6
1/3		1/3		1/3	

Adding and Subtracting Decimals

1. 25.75 + 19.25 + 56.88 =

2. 0.13 + 98 + 0.72 + 5 =

3. 78 – 12.50 =

4. 525.25 – 12.75 =

Who am I?

- My value is less than two.
- My value is greater than one.
- My tenths are an even digit.
- My hundredths are equal to my tenths divided by 3.
- My thousandths are my hundredths digit squared (multiplied by itself).

Who am I?