Name:_____

Dear Students,

I have truly enjoyed having each one of you in math class this year. I am so proud of you!! You have worked hard, shown resilience, and accomplished so much.

Included with this letter is your summer math work. This year, you will have 20 IXL skills to complete. You will also find a summer math packet to help strengthen the skills we worked on this year and continue building your math knowledge before 6th grade.

Please don't try to finish everything all at once! Space out your IXLs throughout the summer, and use the packet as extra practice to help keep your skills fresh.

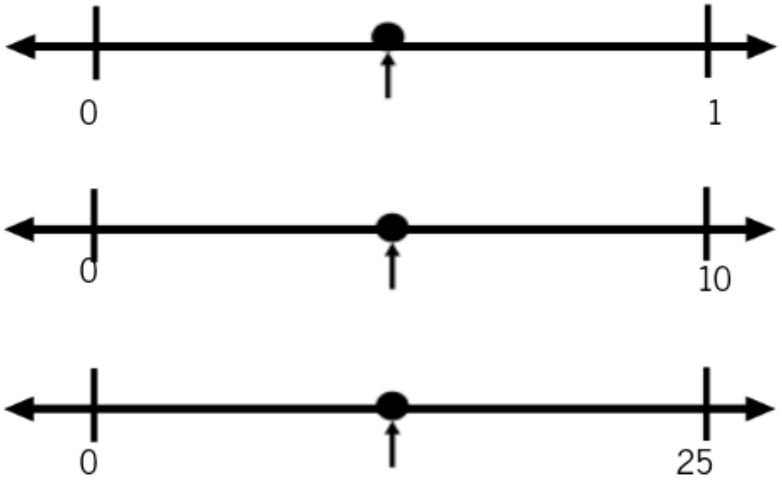
I wish you the best of luck in 6th grade. Please stop by and say hi when you see me in the village!

Enjoy the summer; you deserve it!

All the best,
Mrs. Nida

Name:_____ Week: 1

What's the point?



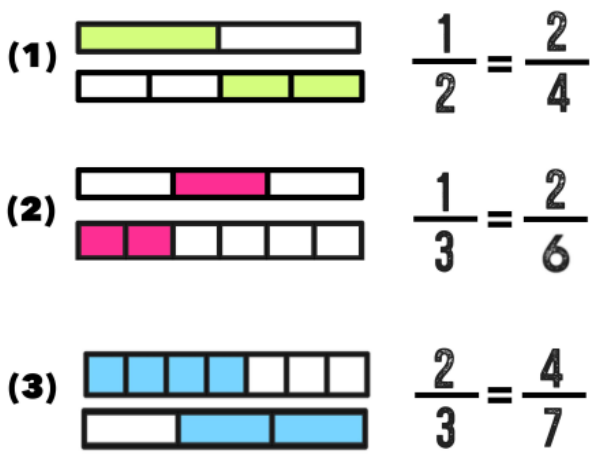
Number String - Use what you know to answer:

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.



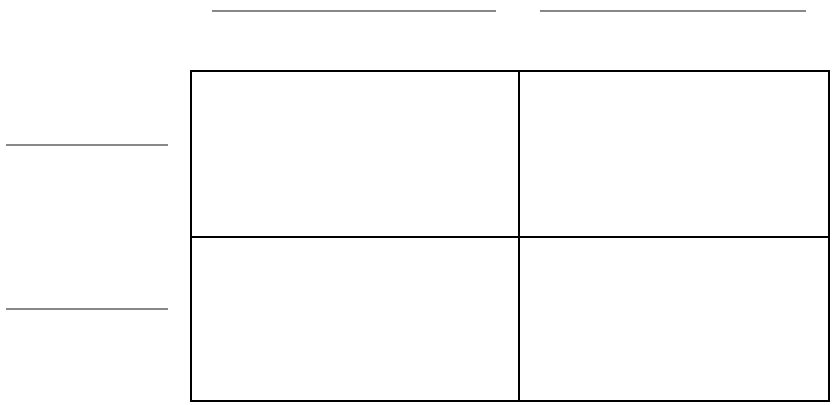
Explain:

Name:_____ Week: 2

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

Sum of	Product of	
13	42	
16	48	
19	60	
21	108	

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

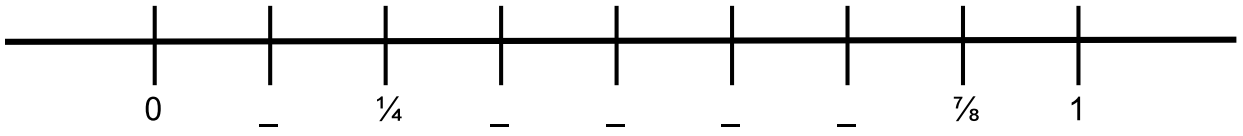


Answer:

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

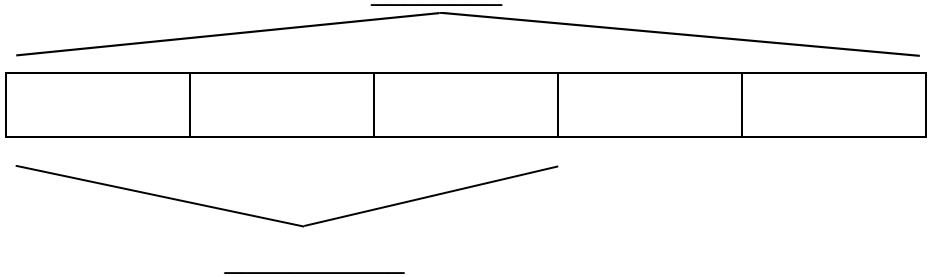
IN	4	9	10		31	37	53		152	
OUT	9		15	24	36			104		201

Complete the number line.



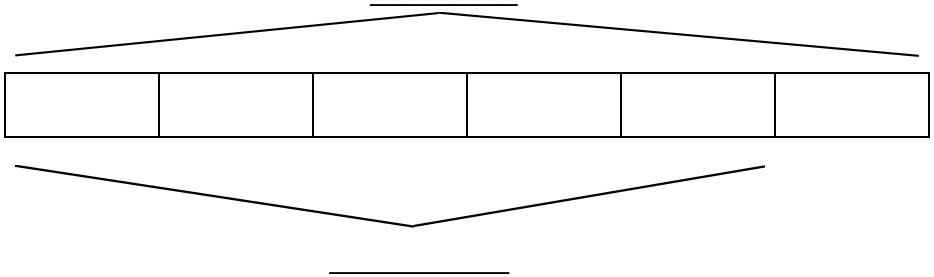
Name:_____ Week: 3

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



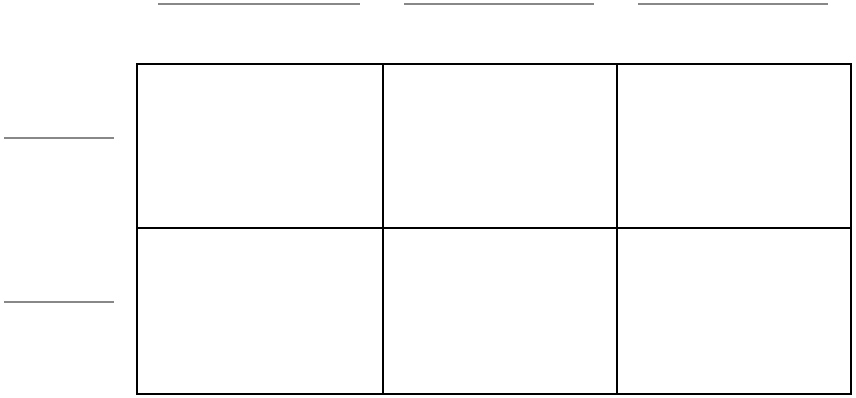
Answer:

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



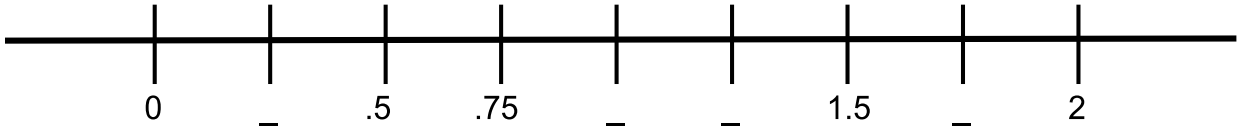
Answer:

Adding Fractions
Add and put in simplest form.

1. 2/3 + 1/4 + 5/6 =

2. 5/6 + 3/8 + 1/2 =

Complete the number line.



Name:_____ Week: 4

Give and Take. Use what you know to answer.

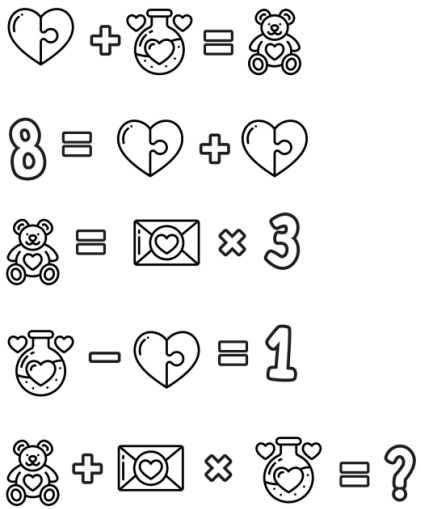
67 + 28 = _____ + 25
42 + 139 = 41 + _____
387 + _____ = 400 + 502

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.

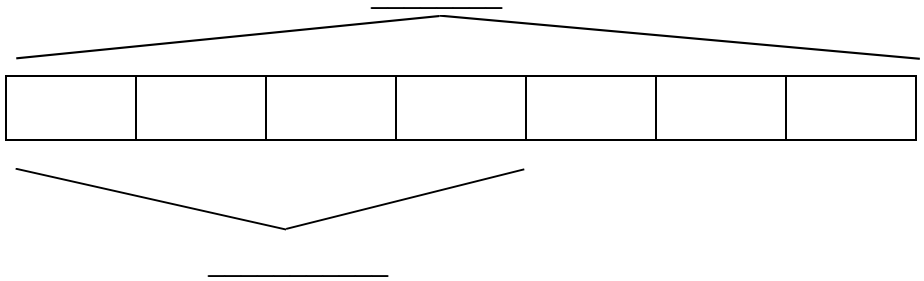
1 whole has how many ⅓?	
2 wholes have how many ⅓?	
3 wholes have how many ⅓?	
2 ⅔ have how many ⅓?	
5 ⅓ wholes have how many ⅔?	

Use the diagram below to help you.

1 whole		
1/3	1/3	1/3

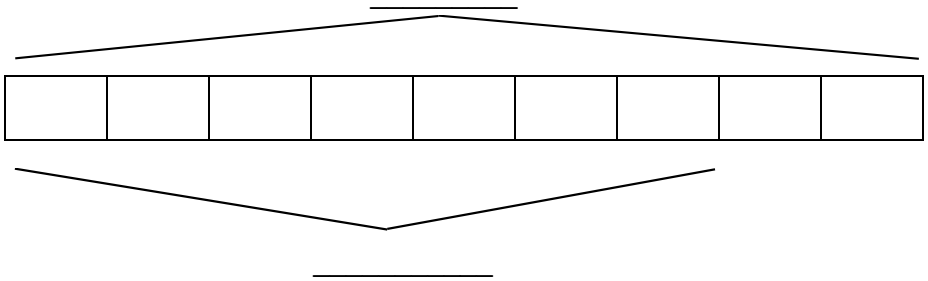
Name:_____ Week: 5

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



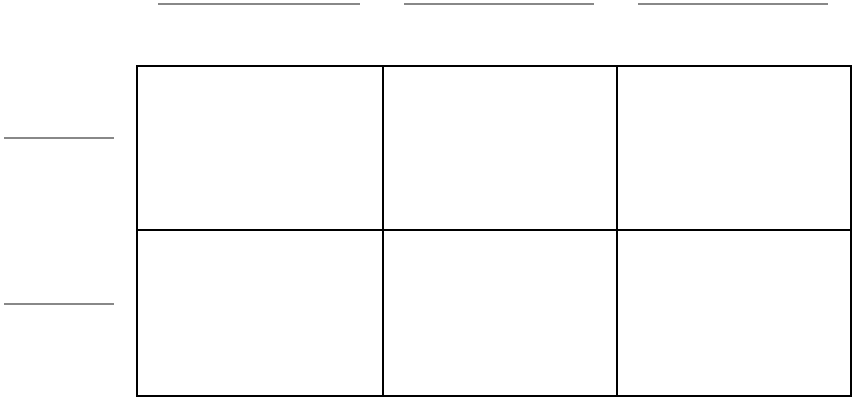
Answer:

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



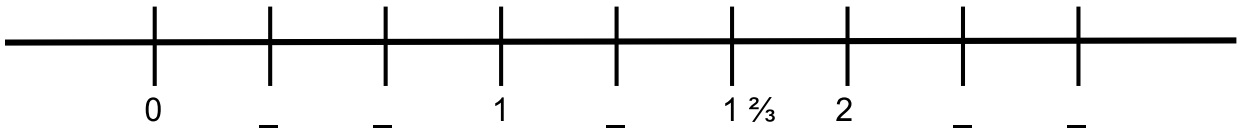
Answer:

Adding Fractions
Add and put in simplest form.

3. 3/4 + 1/3 =

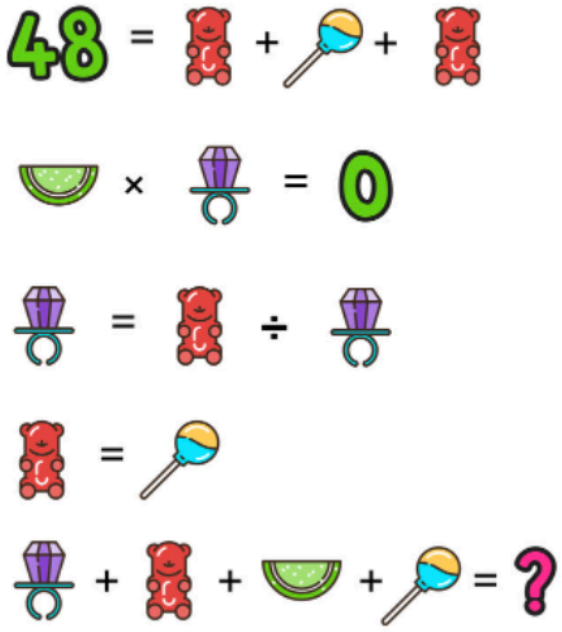
4. 5/6 + 2/3 =

Complete the number line.



Name:_____ Week: 6

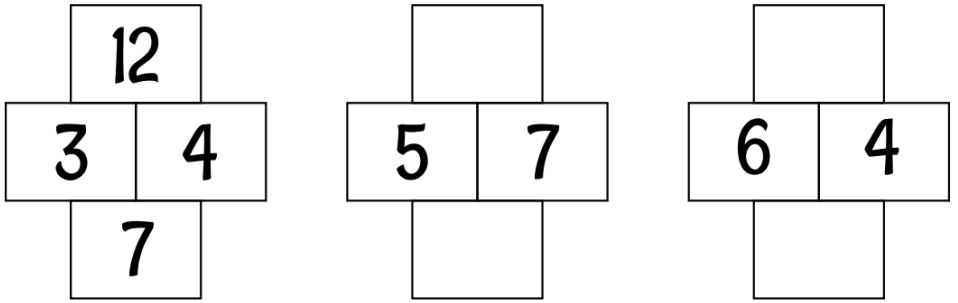
Use your math skills to determine the value of each.



_____ + _____ + _____ + _____ = _____

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

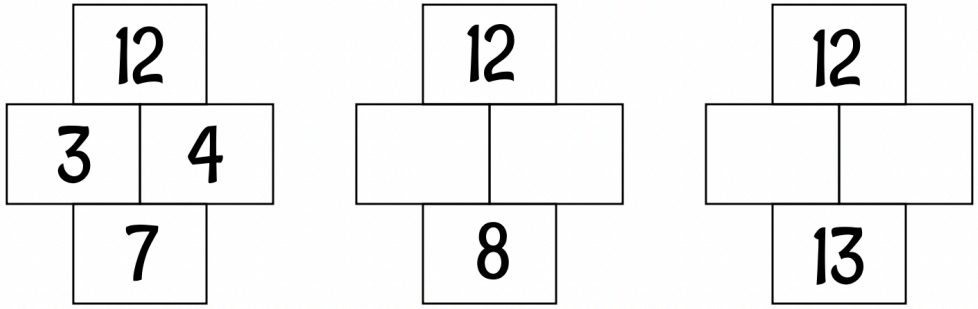
Who am I?

- 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?