

1. Get out your homework
2. If you still have the task card answer sheet turn it in
3. Tape in the notes that are in the front of the room  
( I will be getting more tape tonight, but if you walked away with my tape yesterday please give it back)

4. Problem of the Day

Mt. Everest, the highest elevation in Asia, is 29,028 feet above sea level. The Dead Sea, the lowest elevation, is 1,312 feet below sea level. What is the difference between these two elevations?

$$\begin{array}{r} 29028 \\ + 29028 \\ + 1312 \\ \hline 1312 \end{array} \left[ \begin{array}{l} \text{0 sea} \\ \text{level} \end{array} \right]$$

*(Handwritten red circle around 30,340 ft)*

11)  $2:6, 3:9, 4:12, 5:15$

12)  $\frac{4}{3}, \frac{40}{30}, \frac{60}{45}, \frac{80}{60}$

13)

	x1	x2	x3	x4	x5
Roses	4	8	12	16	20
Carnations	6	12	18	24	30

16 roses and 24 carnations

14) 12 bananas, 9 apples, 18 pears

16) 6c orange : 10.5c water  $\rightarrow$  total 16.5c orange juice

17) a) 18 Butterflies      b) 12 Butterflies

(6) 2c orange : 3.5c water

(x3)

(x3)

6c orange : 10.5c water

16.5

6 x 10.5

17)

5NA : 3SA

3SA : 2E

5 : 3

x6 x6

30 : 18SA  
Butter

I will be able to identify equivalent ratios.

I will be able to find equivalent ratios using tape diagrams, double number lines, and tables.

## Module 6 Lesson 3

**Equivalent Ratios**

### Method 3: Tape diagram

Audrey and Megan are decorating for a birthday party. Audrey hangs 4 streamers in the same amount of time that Megan hangs 6. If Audrey hangs 12 streamers, how many will Megan hang?

A:M  
4:6

A 

3	3	3	3
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 $12 \div 4 = 3$

M 

3	3	3	3	3	3
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$3 \times 6 = 18$  streamers

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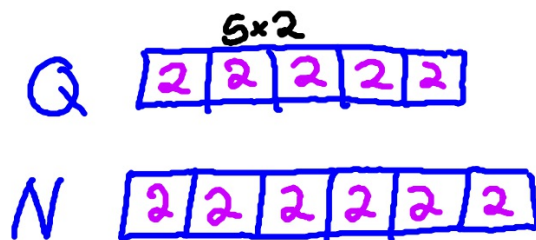
### Example 1:

10 Quarters  
12 Nickels

There are 22 coins. The ratio of quarters to nickels is 5:6.

Use a tape diagram to find the number of quarters and nickels.

Q:N  
5:6



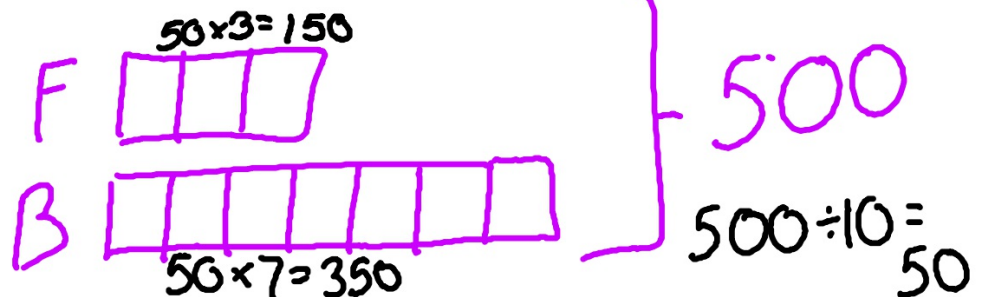
22  
 $22 \div 11 = 2$

### Example 2:



Kevin has 500 sports cards. The ratio of football cards to baseball cards is 3:7. How many football cards does he have?  
How many baseball cards does he have?

150 Football  
350 Baseball

3:7  
F:B



1) D:R  
5:2

D =   
R = 

150 diet sodas.

210

$210 \div 7 = 30$