

1-26-18

Aim: SWBAT do their best on the quiz.

HW: None

Do Now: Pencil and calculator

- 4) In your gym class, the ratio of girls to boys is 2:3. If there are 65 students in your gym class, how many of them are girls?

G	G	B	B	B
2x		3x		
65				

$$2x + 3x = 65$$

$$\frac{5x}{5} = \frac{65}{5}$$

$$x = 13$$

$$2x = 2(13) = 26$$

Twenty-six students are girls.

- 5) The ratio of green marbles to yellow marbles is 4:7. If there are 253 marbles in the collection, how many of each color are there?

G	G	G	G	Y	Y	Y	Y	Y	Y
4x				7x					
253									

$$4x + 7x = 253$$

$$\frac{11x}{11} = \frac{253}{11}$$

$$x = 23$$

$$4x = 4(23) = 92$$

$$7x = 7(23) = 161$$

There are 92 green marbles and 161 yellow marbles.

- 6) John found out that the ratio of green M&M's to red M&M's in a 5 pound bag is 2:5. If there are 595 M&M's in a 5 pound bag, how many of them would you expect to be green?

G	G	R	R	R	R	R
2x		5x				
595						

$$2x + 5x = 595$$

$$\frac{7x}{7} = \frac{595}{7}$$

$$x = 85$$

$$2x = 2(85) = 170$$

I would expect 170 to be green.