

**Week 17**

**Thursday 15th July 2020**

**Year 6 Using ratio and fractions - Varied Fluency**

**Watch the explanation on how to use ratio and fractions:**

[https://www.youtube.com/watch?v=UK-\\_qEDtvYo](https://www.youtube.com/watch?v=UK-_qEDtvYo)

# Ratio And Fractions

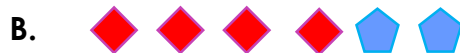
# Ratio And Fractions

1a. Match the fraction of squares to the correct set of objects.

$\frac{4}{6}$



$\frac{3}{6}$



$\frac{2}{5}$



6 VF

1b. Match the fraction of pentagons to the correct set of objects.

$\frac{2}{5}$



$\frac{4}{6}$



$\frac{1}{4}$



6 VF

2a. True or false? If there are 2 oranges for every 4 apples,  $\frac{4}{6}$  of the fruit are apples.



6 VF

2b. True or false? If there are 3 pears for every 2 grapes,  $\frac{3}{5}$  of the fruit are grapes.



6 VF

3a. Complete the sentence below if  $\frac{3}{5}$  are pentagons and  $\frac{2}{5}$  are circles.

There are \_\_\_\_\_ pentagons for every \_\_\_\_\_ circles.



6 VF

3b. Complete the sentence below if  $\frac{4}{6}$  are circles and  $\frac{2}{6}$  are squares.

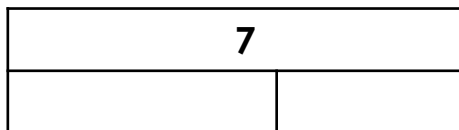
There are \_\_\_\_\_ circles for every \_\_\_\_\_ squares.



6 VF

4a. Use the statement below to complete the bar model.

There are 4 squares for every 3 circles.



Write a fraction showing each quantity.

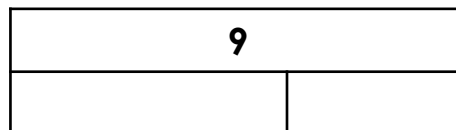
=  $\frac{\square}{7}$       =  $\frac{\square}{7}$



6 VF

4b. Use the statement below to complete the bar model.

There are 6 circles for every 3 squares.



Write a fraction showing each quantity.

=  $\frac{\square}{9}$       =  $\frac{\square}{9}$



6 VF

# Ratio And Fractions

# Ratio And Fractions

5a. Match the fraction of triangles to the correct set of objects.

$$\frac{3}{7}$$



$$\frac{7}{10}$$



$$\frac{2}{6}$$



6 VF

5b. Match the fraction of circles to the correct set of objects.

$$\frac{3}{8}$$



$$\frac{4}{7}$$



$$\frac{2}{5}$$



6 VF

6a. True or false?

If there are 2 oranges for every 3 apples,  $\frac{3}{5}$  of the fruit are oranges.



6 VF

6b. True or false?

If there are 4 bananas for every 2 grapes,  $\frac{2}{5}$  of the fruit are grapes.



6 VF

7a. Complete the sentence below if  $\frac{2}{7}$  are pentagons and  $\frac{4}{7}$  are squares.

There are \_\_\_\_ squares for every \_\_\_\_ pentagons.



6 VF

7b. Complete the sentence below if  $\frac{3}{8}$  are circles and  $\frac{2}{8}$  are pentagons.

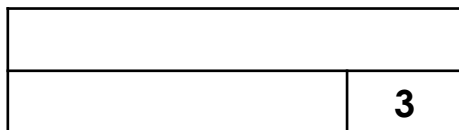
There are \_\_\_\_ circles for every \_\_\_\_ pentagons.



6 VF

8a. Use the statement below to complete the bar model.

There are 3 squares for every 5 circles.



Write a fraction showing each quantity.

$$\square = \frac{\square}{\square}$$

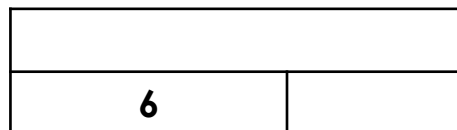
$$\bullet = \frac{\square}{\square}$$



6 VF

8b. Use the statement below to complete the bar model.

There are 4 circles for every 6 squares.



Write a fraction showing each quantity.

$$\bullet = \frac{\square}{\square}$$

$$\square = \frac{\square}{\square}$$



6 VF

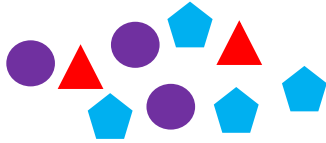
# Ratio And Fractions

# Ratio And Fractions

9a. Match the fraction of circles to the correct set of objects.

$$\frac{2}{3}$$

A.



$$\frac{1}{3}$$

B.



$$\frac{1}{4}$$

C.

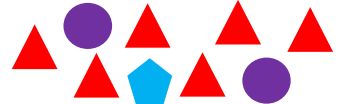


6 VF

9b. Match the fraction of triangles to the correct set of objects.

$$\frac{1}{2}$$

A.



$$\frac{1}{3}$$

B.



$$\frac{2}{3}$$

C.



6 VF

10a. True or false?

If there are 6 pears and 4 apples for every 5 lemons,  $\frac{2}{5}$  of the fruit are pears.



6 VF

10b. True or false?

If there are 10 oranges and 6 melons for every 2 plums,  $\frac{1}{3}$  of the fruit are plums.



6 VF

11a. Complete the sentence below if  $\frac{2}{11}$  are pentagons,  $\frac{\square}{\square}$  are squares and  $\frac{3}{11}$  are circles.

There are \_\_\_\_\_ pentagons and \_\_\_\_\_ circles for every \_\_\_\_\_ squares.



6 VF

11b. Complete the sentence below if  $\frac{4}{13}$  are circles,  $\frac{\square}{\square}$  are pentagons and  $\frac{4}{13}$  are triangles.

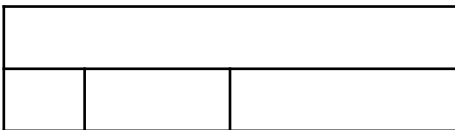
There are \_\_\_\_\_ triangles and \_\_\_\_\_ circles for every \_\_\_\_\_ pentagons.



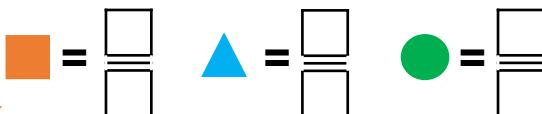
VF

12a. Use the statement below to complete the bar model.

There are 6 squares and 4 triangles for every 2 circles.



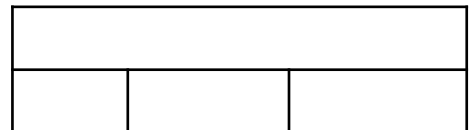
Show each fraction in its simplest form.



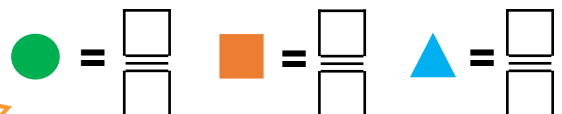
6 VF

12b. Use the statement below to complete the bar model.

There are 8 circles for every 5 squares and 7 triangles.



Show each fraction in its simplest form.



6 VF