# Week 17

# Thursday 15th July 2020

# Year 5 Using ratio and fractions - Varied Fluency

**Watch the explanation on how to use ratio and fractions:**
https://www.youtube.com/watch?v=UK-_qEDtvYo

**\***As ratio is mainly a year 6 objective. you only need to complete **D** and **E**
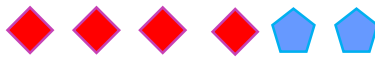
# Ratio And Fractions

## Ratio And Fractions

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

$\frac{4}{6}$  A.

$\frac{3}{6}$  B.

$\frac{2}{5}$  C.

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

$\frac{2}{5}$  A.

$\frac{4}{6}$  B.

$\frac{1}{4}$  C.

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

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

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

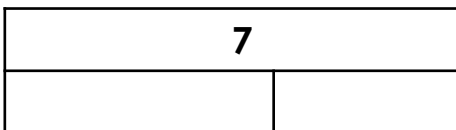There are _____ pentagons for every _____ circles.

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

There are _____ circles for every _____ squares.

**4a.** Use the statement below to complete the bar model.
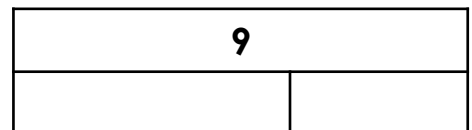
There are 4 squares for every 3 circles.

| 7 | |
|---|---|
| | |

Write a fraction showing each quantity.

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

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

There are 6 circles for every 3 squares.

| 9 | |
|---|---|
| | |

Write a fraction showing each quantity.

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

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

$\dfrac{3}{7}$  A.

$\dfrac{7}{10}$  B.

$\dfrac{2}{6}$  C.

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

$\dfrac{3}{8}$  A.

$\dfrac{4}{7}$  B.

$\dfrac{2}{5}$  C.

**6a.** True or false?

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

**6b.** True or false?

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

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

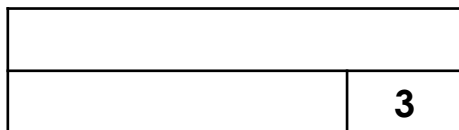There are _____ squares for every _____ pentagons.

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

There are _____ circles for every _____ pentagons.

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

There are 3 squares for every 5 circles.

| | |
|---|---|
| | 3 |

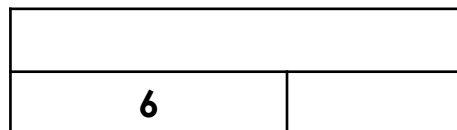Write a fraction showing each quantity.

🟧 $= \dfrac{\square}{\square}$        🟢 $= \dfrac{\square}{\square}$

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

There are 4 circles for every 6 squares.

| | |
|---|---|
| 6 | |

Write a fraction showing each quantity.

🟢 $= \dfrac{\square}{\square}$        🟧 $= \dfrac{\square}{\square}$