

Day 69
Fractions

Fractions

Knowledge Organiser

Key Vocabulary

numerator

denominator

unit fraction

non-unit fraction

equivalent

halves

thirds

quarters

fifths

sixths

eighths

tenths

decimal tenths



Recognising Fractions



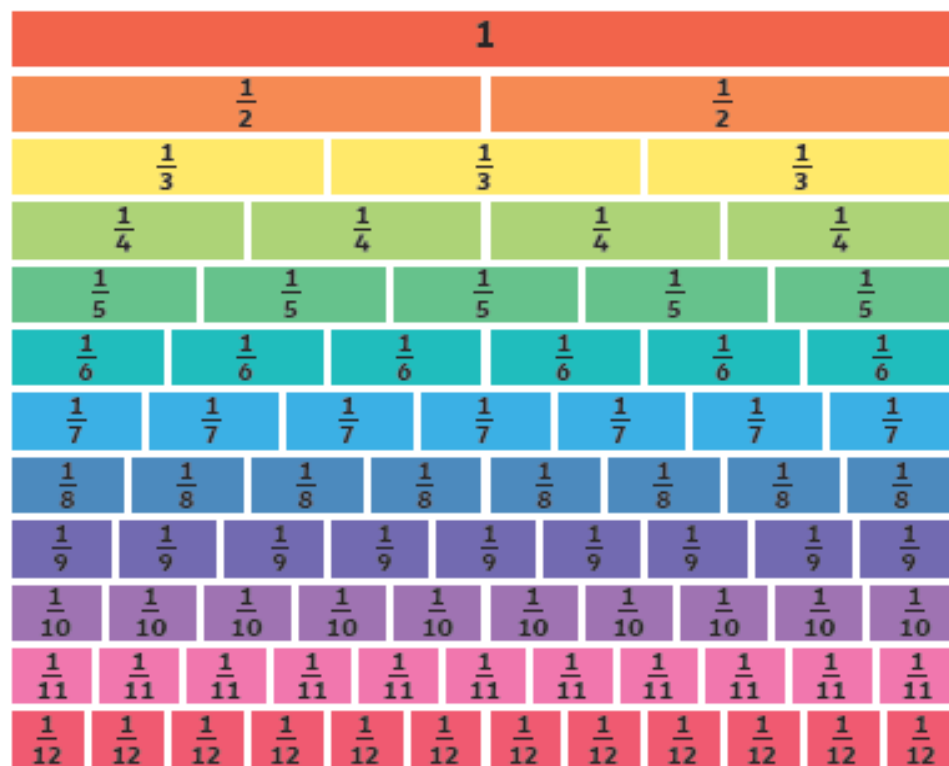
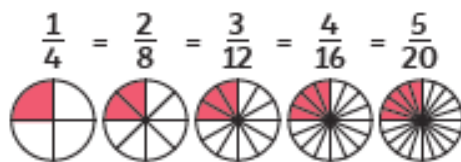
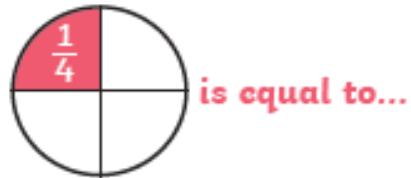
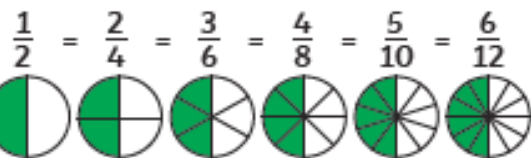
Numerator
How many equal parts of the whole are needed?

Denominator
How many equal parts are in the whole?

Comparing Fractions



Equivalent Fractions



Add and Subtract Fractions

$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$



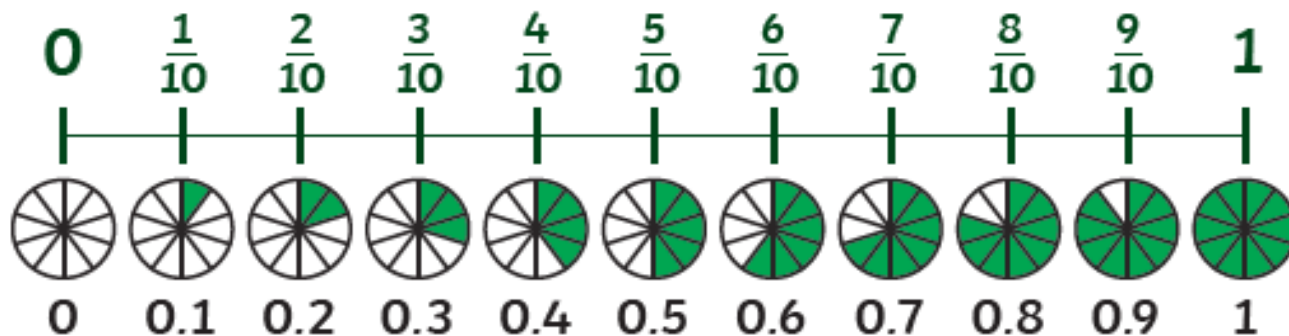
$$\frac{3}{7} + \frac{2}{7} = \frac{5}{7}$$



$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$$



Tenths



Fractions of Amounts

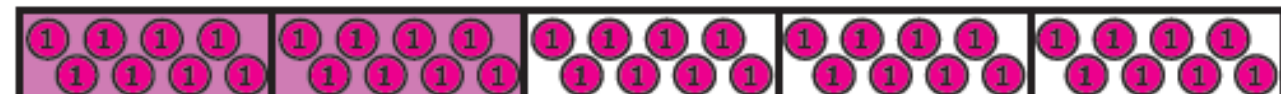
$$\frac{1}{4} \text{ of } 24 = 6$$



$$\frac{1}{3} \text{ of } 72 = 24$$



$$\frac{2}{5} \text{ of } 40 = 16$$



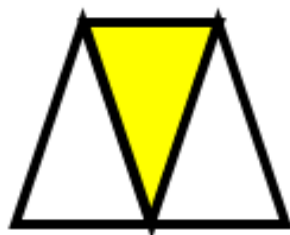
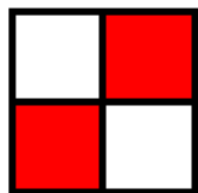
Fractions Pre-Assessment to Support Expected Standard Gap Finding

1. Complete the following number sequences:

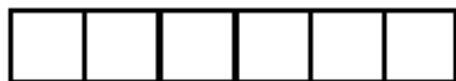
a. $\frac{1}{10}$ $\frac{2}{10}$ $\frac{4}{10}$ $\frac{5}{10}$

b. $\frac{9}{10}$ $\frac{8}{10}$ $\frac{6}{10}$

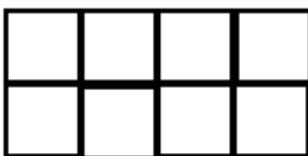
2. Write the fraction of each shape that has been shaded:



3. Shade $\frac{1}{2}$ of this shape

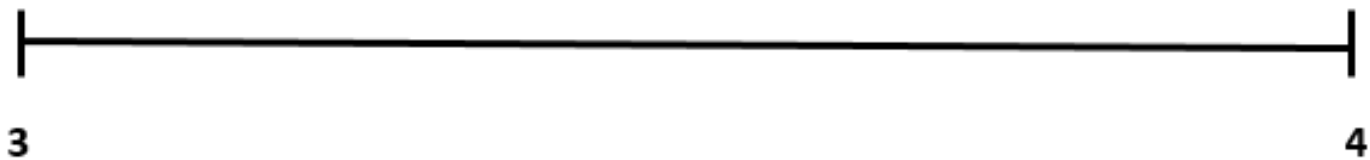


4. Shade $\frac{1}{4}$ of this shape



5. Place these fractions on the number line:

$3\frac{1}{2}$ $3\frac{3}{4}$ $3\frac{1}{3}$ 4



6. Place these amounts in **ascending** order:

£70.07 £70.70 £7.70 £7.07

7. **Circle** the **two fractions** that have the same value.

$\frac{1}{2}$ $\frac{2}{10}$ $\frac{5}{10}$ $\frac{1}{3}$ $\frac{1}{4}$

8. What fraction of these rabbits are white? Write the fraction.



9. **Circle** the fractions that are **greater than** $\frac{1}{2}$

$$\frac{2}{8}$$

$$\frac{6}{10}$$

$$\frac{5}{8}$$

$$\frac{3}{10}$$

10.

a. $\frac{2}{7} + \frac{3}{7} =$

b. $\frac{7}{8} - \frac{4}{8} =$