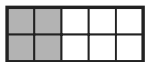


### 1 Simplifying fractions ☐

a) What fraction of the shape is shaded?

b) Write  $\frac{4}{10}$  in its simplest form.

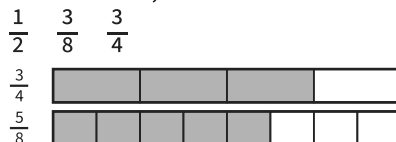


a)  $\frac{4}{10}$     b)  $\div 2: \frac{2}{5}$

### 2 Ordering fractions ☐

a) Which is bigger,  $\frac{3}{4}$  or  $\frac{5}{8}$ ? Use the bars.

b) Write in order, smallest first.



a)  $\frac{3}{4}$     b)  $\frac{3}{8}, \frac{1}{2}, \frac{3}{4}$

### 3 Mixed numbers ☐

a) Each bar is one whole.

Write the shaded amount as a mixed number.

b) Write  $2\frac{3}{4}$  as an improper fraction.



a) 2 wholes and  $\frac{3}{4}: 2\frac{3}{4}$

b)  $2 \times 4 + 3 = 11: \frac{11}{4}$

### 4 Adding fractions ☐

a) Work out  $\frac{2}{9} + \frac{5}{9}$

b) Work out  $\frac{1}{4} + \frac{3}{8}$

a)  $\frac{7}{9}$

b)  $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$

### 5 Subtracting fractions ☐

a) Work out  $\frac{6}{7} - \frac{2}{7}$

b) A tank is  $\frac{3}{4}$  full. Then  $\frac{1}{8}$  of the tank is used. What fraction of the tank is full now?

a)  $\frac{4}{7}$

b)  $\frac{6}{8} - \frac{1}{8} = \frac{5}{8}$

## Fractions revision mat answers

Foundation B

### 6 Multiplying fractions ☐

a) Work out  $\frac{1}{3} \times \frac{2}{5}$

b) Work out  $3 \times \frac{2}{7}$

a)  $\frac{1 \times 2}{3 \times 5} = \frac{2}{15}$

b)  $\frac{2}{7} + \frac{2}{7} + \frac{2}{7} = \frac{6}{7}$

### 7 Dividing fractions ☐

a) Work out  $\frac{1}{2} \div \frac{1}{6}$

b) Work out  $\frac{2}{3} \div 4$

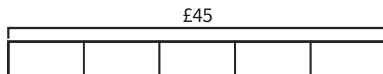
a)  $\frac{1}{2} = \frac{3}{6}: 3$

b)  $\frac{2}{3} \times \frac{1}{4} = \frac{2}{12} = \frac{1}{6}$

### 8 Fraction of an amount ☐

a) Work out  $\frac{3}{5}$  of £45. Use the bar.

b) A bag has 32 sweets.  $\frac{3}{4}$  of them are red. How many are red?



a)  $45 \div 5 = 9, 9 \times 3 = \text{£}27$

b)  $32 \div 4 = 8, 8 \times 3 = 24$

### 9 Fractions to decimals ☐

a) Write  $\frac{3}{10}$  as a decimal.

b) Which is bigger,  $\frac{3}{5}$  or 0.65?

a) 0.3

b)  $\frac{3}{5} = \frac{6}{10} = 0.6$

b) 0.65

### 10 One quantity as a fraction ☐

a) Write 6 as a fraction of 18. Give it in its simplest form.

b) A team plays 20 games and wins 15 of them. What fraction of its games does it win? Give it in its simplest form.

a)  $\frac{6}{18} = \frac{1}{3}$

b)  $\frac{15}{20} = \frac{3}{4}$