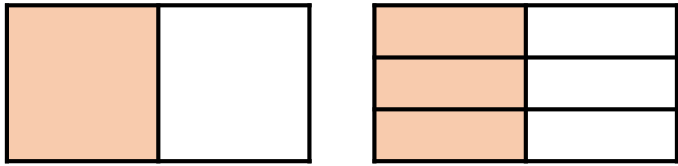# Fractions A

Name _____

1 Use the diagram to help you complete the equivalent fraction.
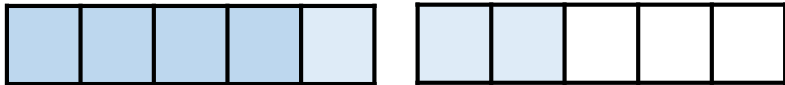
$$\frac{1}{2} = \frac{\boxed{3}}{6}$$

1 mark

2 Use the diagram to calculate $\frac{4}{5} + \frac{3}{5}$

$$\underline{1\frac{2}{5} \text{ or } \frac{7}{5}}$$

1 mark
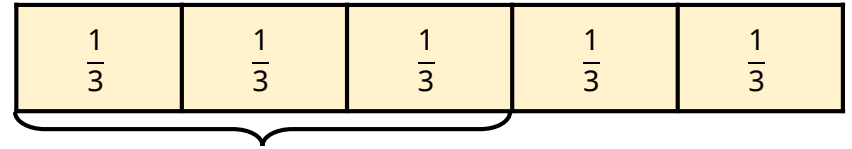
3 Complete the equivalent fractions.

$$\frac{10}{35} = \frac{\boxed{2}}{7} \qquad \frac{\boxed{18}}{27} = \frac{2}{3}$$

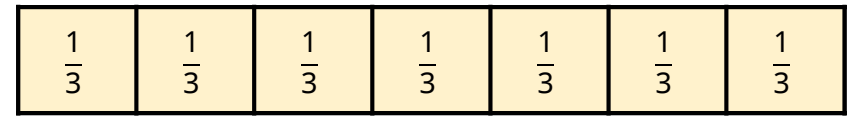$$\frac{3}{5} = \frac{9}{\boxed{15}} = \frac{\boxed{21}}{35}$$

4 marks

4 Jack uses a bar model to show that $\frac{5}{3} = 1\frac{2}{3}$

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

1 whole

Use this bar model to convert $\frac{7}{3}$ to a mixed number.

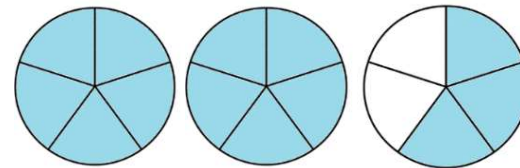| $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ |

1 whole   1 whole

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

1 mark

5 Convert $2\frac{3}{5}$ to an improper fraction. Use the diagram to help you.

$$\underline{\frac{13}{5}}$$

1 mark

6 Complete.

$$13\frac{7}{10} = \frac{\boxed{137}}{10} \qquad \boxed{6}\frac{2}{3} = \frac{20}{3}$$

2 marks

7 Use the bar model to calculate $\frac{1}{2} + \frac{3}{8}$
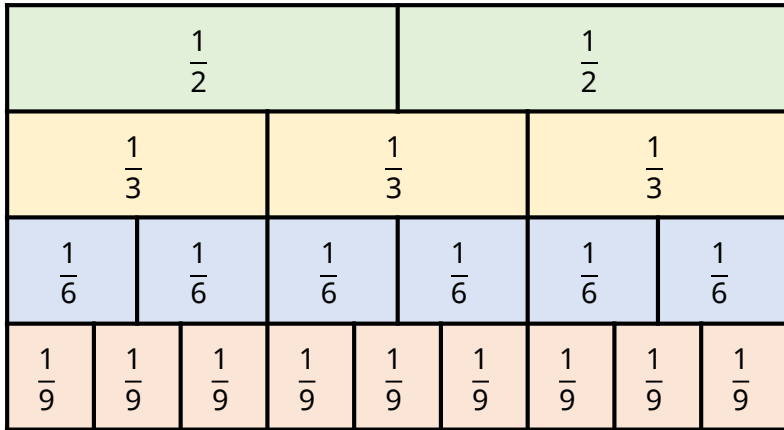

$\frac{7}{8}$

2 marks

8 Annie makes a fraction wall using coloured blocks.

Complete using <, > or =

$\frac{1}{2}$ (>) $\frac{1}{3}$

$\frac{5}{6}$ (>) $\frac{7}{9}$

$\frac{4}{9}$ (<) 1

3 marks

9 Hassan and Amy have the same amount of juice in a carton.

Hasson drinks $\frac{3}{4}$ of his juice.

Amy drinks $\frac{5}{6}$ of her juice.

Who has the most juice left? Explain your choice.

Hassan has $\frac{1}{4}$ of his juice left.

Amy has $\frac{1}{6}$ of her juice left.

$\frac{1}{4} > \frac{1}{6}$ so Hassan has the most juice left.

2 marks
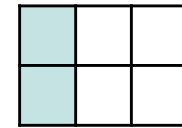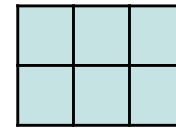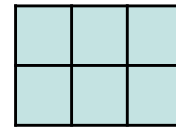
10 Complete the missing numbers.

$11 \div 3 = \boxed{3}\,\frac{\boxed{2}}{\boxed{3}}$

1 mark

11 Calculate.

$2\frac{1}{3} - \frac{5}{6}$

$1\frac{3}{6}$ or $1\frac{1}{2}$

1 mark

$1\frac{3}{5} - \frac{7}{10}$

$\frac{9}{10}$

1 mark

White Rose Maths