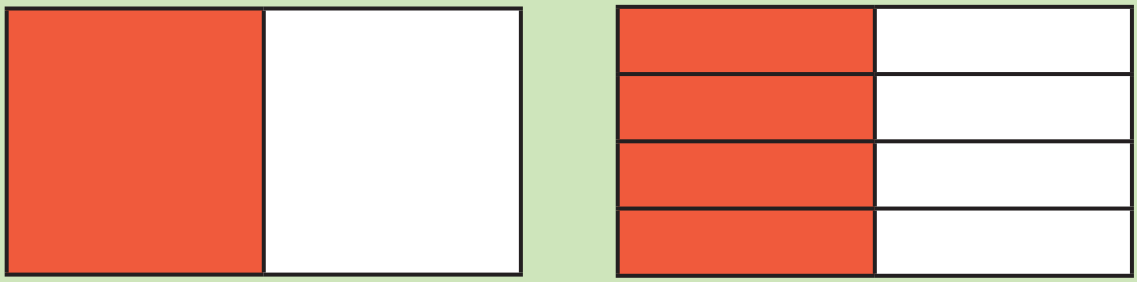
5 FRACTIONS (A)

From White Rose Maths schemes for Year 5 Spring Term

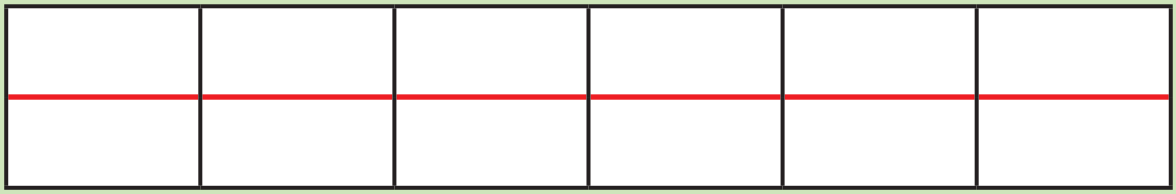
BLOCK 2 - FRACTIONS (A)

1 Use the diagram to help you complete the equivalent fraction.



$$\frac{1}{2} = \frac{\square}{8}$$

2 Use the diagram to show that $\frac{5}{6}$ is equal to $\frac{10}{12}$

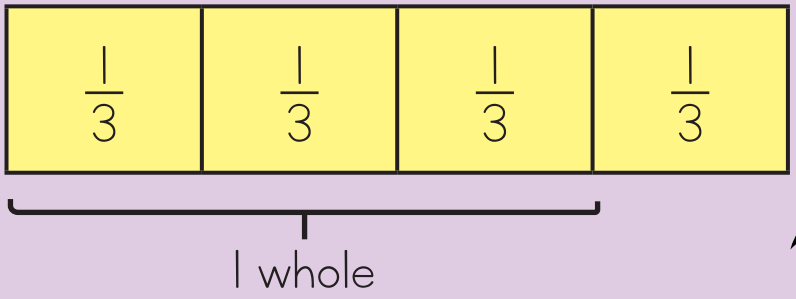


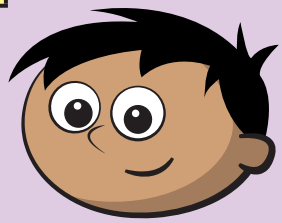
3 Complete the equivalent fractions.

$$\frac{18}{42} = \frac{\square}{7} \qquad \frac{\square}{30} = \frac{2}{5}$$

$$\frac{1}{6} = \frac{4}{\square} = \frac{\square}{36}$$

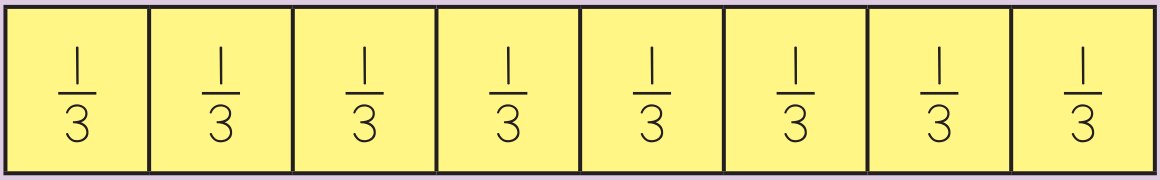
4 Amir uses a bar model to convert $\frac{4}{3}$ to a mixed number.





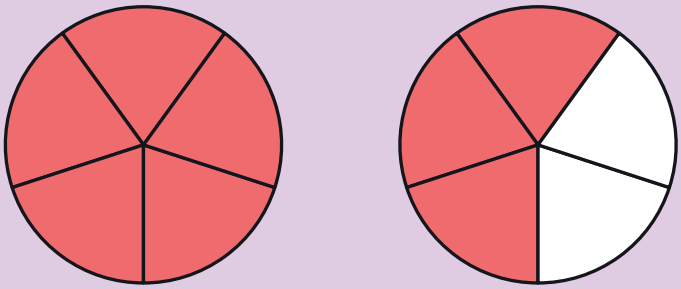
$\frac{4}{3}$ is equal to $1\frac{1}{3}$

Convert $\frac{8}{3}$ to a mixed number.



5 Convert $1\frac{3}{5}$ to an improper fraction.

Use the diagram to help you.



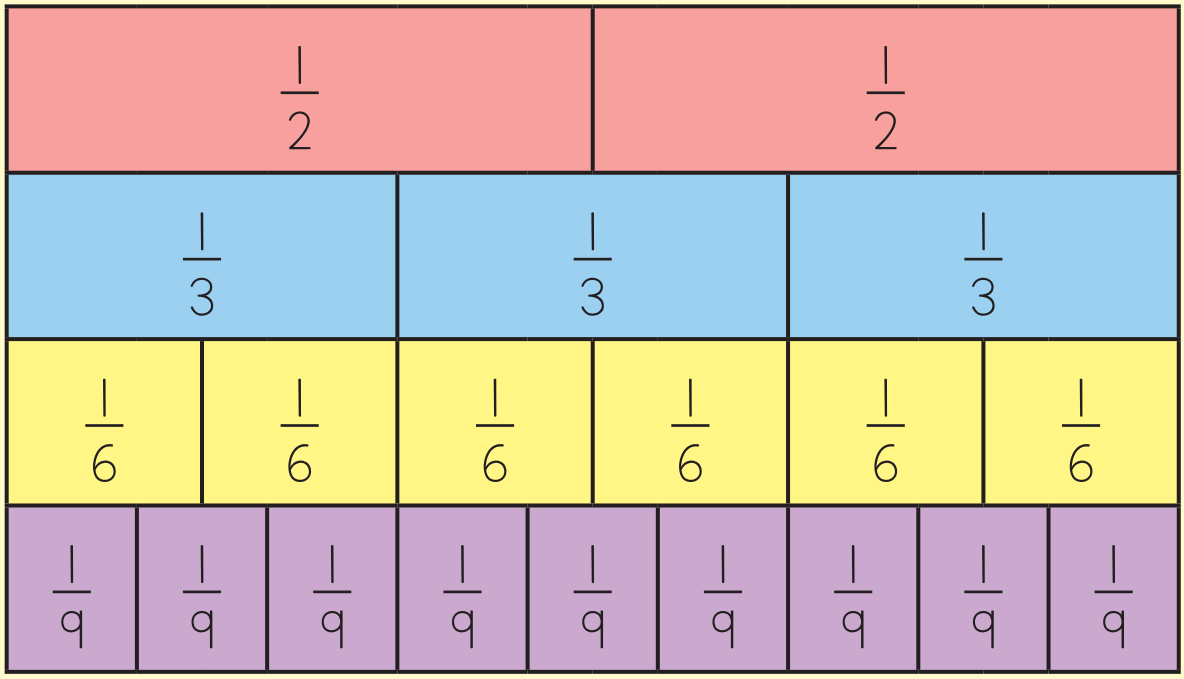
6 Fill in the missing numbers.

$11\frac{3}{10} = \frac{\square}{10}$ $\qquad$ $\square\frac{1}{4} = \frac{25}{4}$

7 Convert between the mixed numbers and improper fractions.

$5\frac{3}{4} = \square$ $\qquad$ $\frac{15}{8} = \square$

8 Alex is using a fraction wall to compare fractions.



Write <, > or = to complete the statements.

$\frac{1}{2}$ ○ $\frac{1}{6}$

$\frac{2}{3}$ ○ $\frac{5}{9}$

$\frac{8}{9}$ ○ 1

9 Huan and Dani have the same amount of juice in a bottle.

Huan drinks $\frac{2}{3}$ of his juice.

Dani drinks $\frac{5}{9}$ of her juice.

Who has the most juice left?

10 Complete the division.

$$13 \div 3 = \square \frac{\square}{3}$$

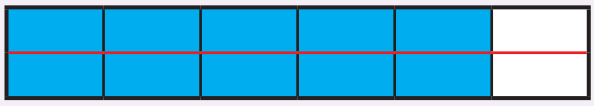
11 Put the mixed numbers in order, starting with the smallest.

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

Explain your answer.

Answers

1. $\frac{1}{2} = \frac{4}{8}$

2. 

3. $\frac{18}{42} = \frac{3}{7}$ $\quad \frac{12}{30} = \frac{2}{5}$ $\quad \frac{1}{6} = \frac{4}{24} = \frac{6}{36}$

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

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

6. $11\frac{3}{10} = \frac{113}{10}$ $\quad 6\frac{1}{4} = \frac{25}{4}$

7. $\frac{23}{4}$ $\quad 1\frac{7}{8}$

8. $\frac{1}{2} < \frac{1}{6}$ $\quad \frac{2}{3} > \frac{5}{9}$ $\quad \frac{8}{9} < 1$

9. Dani

10. $13 \div 3 = 4\frac{1}{3}$

11. $1\frac{3}{5}$ $\quad 2\frac{1}{5}$ $\quad 2\frac{4}{10}$