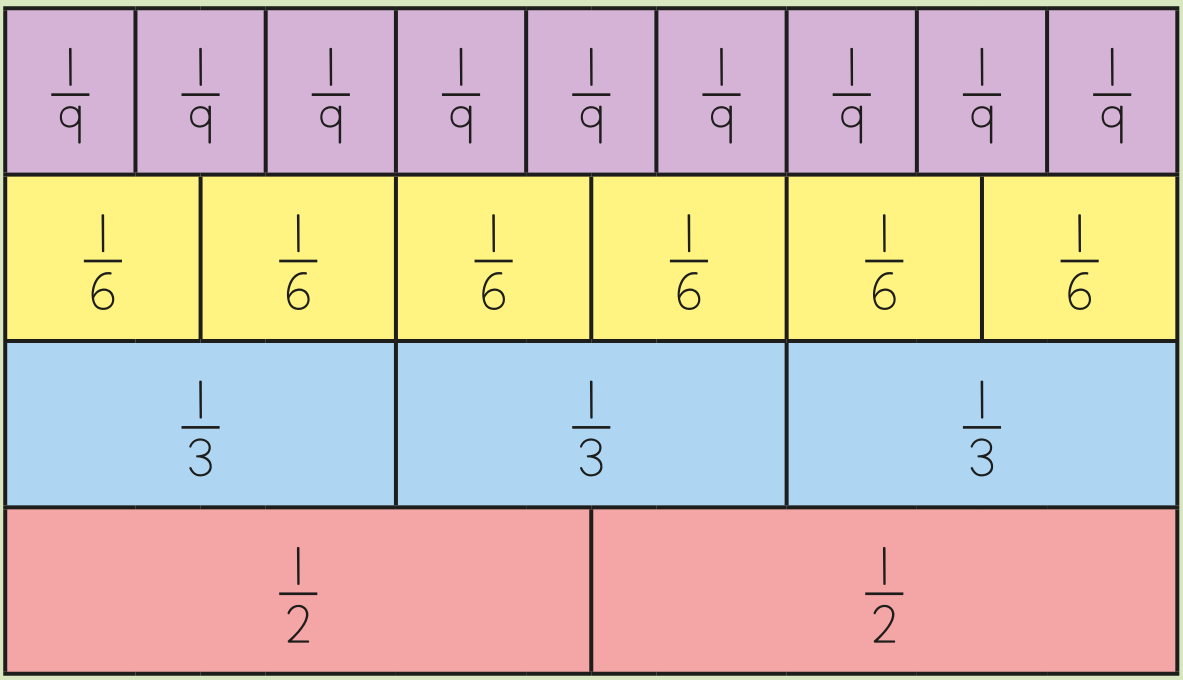
6 FRACTIONS (A)

From White Rose Maths schemes for Year 6 Autumn Term

BLOCK 3 - FRACTIONS (A)

1



Use the fraction wall to simplify the fractions.

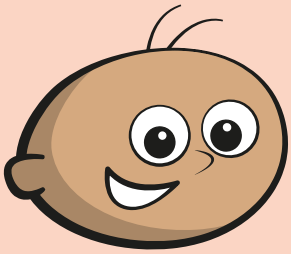
$\frac{2}{6} =$ ☐ $\quad 5\frac{6}{9} =$ ☐

Complete the statements.

$\frac{1}{2} = \frac{\square}{6}$

$\frac{2}{3} = \frac{\square}{9}$

2



$\frac{40}{60}$ is the same as $\frac{20}{30}$ and this is the same as $\frac{10}{15}$

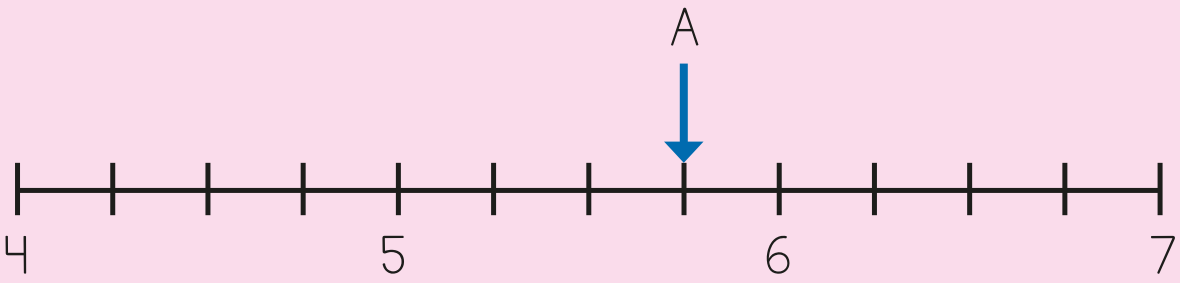
$\frac{10}{15}$ is $\frac{40}{60}$ in its simplest form because you can't halve 15 equally.

Is Tommy correct?

Yes **No**

Explain your answer.

3

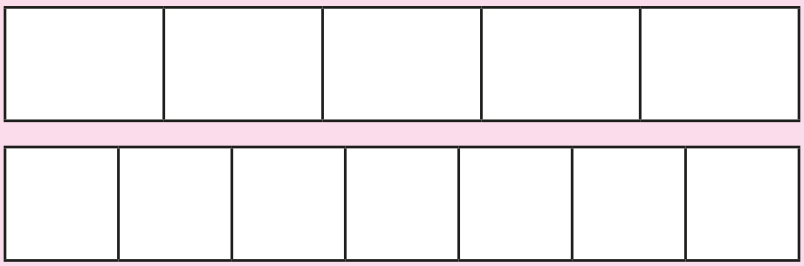


What number is the arrow pointing to?

Draw an arrow to the number that is $\frac{3}{4}$ less than A.

What number is $1\frac{1}{4}$ greater than A?

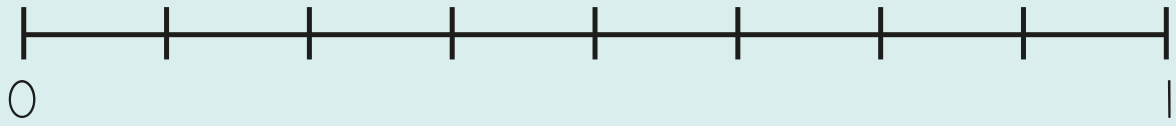
4 Use the bar models to show that $\frac{4}{5}$ is greater than $\frac{4}{7}$



Show that $2\frac{2}{5}$ is less than $\frac{13}{5}$

5 Write the fractions in order from smallest to greatest. You may use the number line to help you.

$\frac{3}{4}$ $\frac{7}{8}$ $\frac{1}{8}$ $\frac{3}{16}$



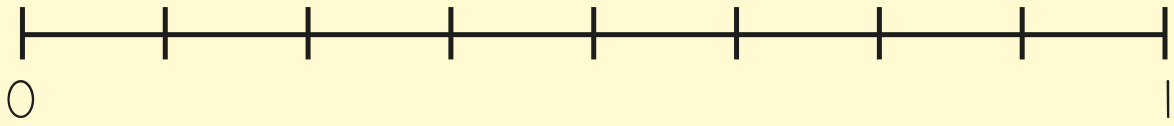
6 Work out the additions.

$\frac{1}{4} + \frac{5}{8}$

$\frac{5}{6} + \frac{1}{4}$

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

7 Draw arrows from each fraction to its position on the number line.



$\frac{33}{44}$ $\frac{44}{88}$ $\frac{31}{31}$

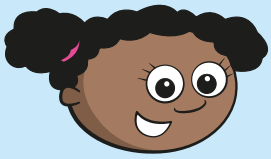
8 Annie reads $\frac{1}{5}$ of her book on Monday.

She reads $\frac{2}{3}$ of the book on Tuesday.

On Wednesday she reads the rest of the book.

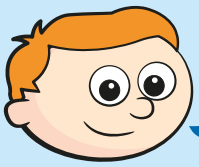
What fraction of the book did Annie read on Wednesday?

9 Three friends share a chocolate bar.



Whitney

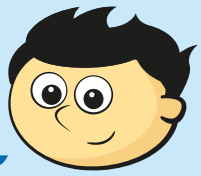
I got $\frac{3}{10}$ of the bar.



I got $\frac{8}{15}$

Ron

I got the rest.

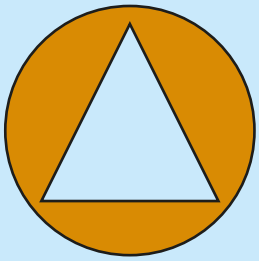


Jack

Who received the largest share? _____

Explain your answer.

10 A circle has an area of $17\frac{1}{4}$ cm^2



Dexter cuts a triangle from the circle.

The triangle has an area of $4\frac{3}{8}$ cm^2

What is the area of the shape that is left?

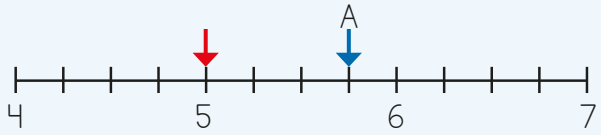
Answers

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

$\frac{1}{2} = \frac{3}{6}$ $\frac{2}{3} = \frac{6}{9}$

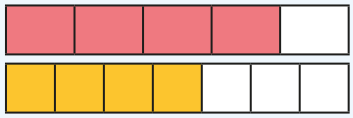
2 No, it can be simplified to $\frac{2}{3}$

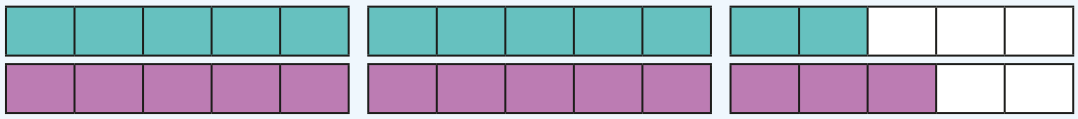
3 $5\frac{3}{4}$



7

4



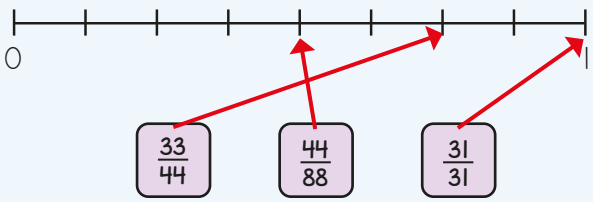


$2\frac{2}{5} = \frac{12}{5}$ $\frac{12}{5} < \frac{13}{5}$

5 $\frac{1}{8}$ $\frac{3}{16}$ $\frac{3}{4}$ $\frac{7}{8}$

6 $\frac{7}{8}$ $1\frac{1}{12}$ $6\frac{1}{3}$

7



8 $\frac{2}{15}$

9 Ron Whitney got $\frac{9}{30}$ Ron got $\frac{16}{30}$ Jack got $\frac{5}{30}$

10 $12\frac{7}{8}$ cm^2