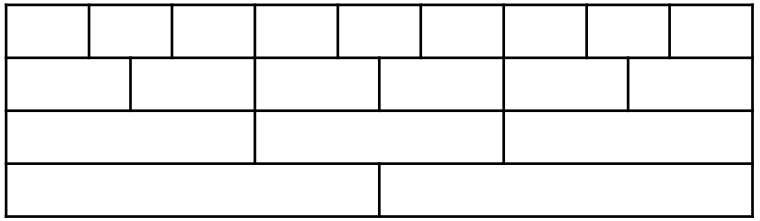
Year 6

Fractions (+ and −) A

Answers

1



Use the fraction bars to simplify the fractions.

$\frac{6}{9} = \frac{2}{3}$ $\quad 5\frac{3}{6} = 5\frac{1}{2}$

2 marks

2 Max says $\frac{30}{50}$ in its simplest form is $\frac{15}{25}$

Is Max correct?

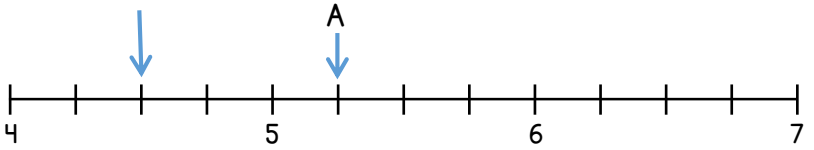
Yes (No)

Explain your answer.

5 is a factor of 15 and 25 so it will simplify to $\frac{3}{5}$

1 mark

3



What number is the arrow pointing to?

5.25 or $5\frac{1}{4}$

1 mark

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

1 mark

What number is $1\frac{1}{2}$ greater than A?

6.75 or $6\frac{3}{4}$

1 mark

4 Tick the statements that are true.

$\frac{3}{5}$ is greater than $\frac{3}{7}$ ✓ $\quad 1\frac{3}{8}$ is less than $\frac{7}{8}$ ☐

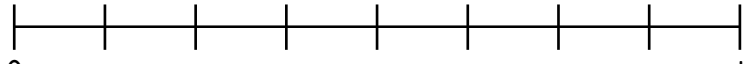
$\frac{2}{8}$ is equal to $\frac{5}{20}$ ✓ $\quad 2\frac{1}{4}$ is greater than $\frac{11}{4}$ ☐

2 marks

5 Write the fractions in order from smallest to largest.

You may use the number line to help you.

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



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

Award 1 mark for 2 correctly placed fractions.

2 marks

6 Calculate

$\frac{2}{3} + \frac{1}{9} = \frac{7}{9}$

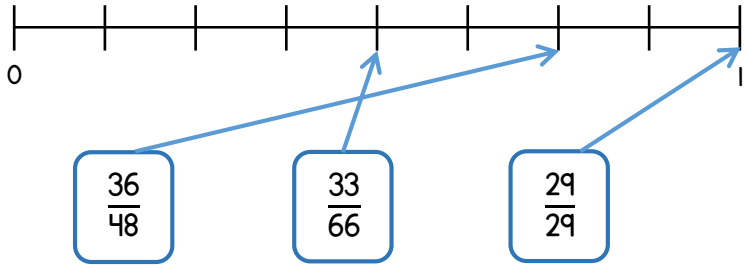
$\frac{5}{6} - \frac{3}{4} = \frac{1}{12}$

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

3 marks

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

Award 1 mark for 1 correctly placed fraction..



2 marks

8 Jenny reads $\frac{1}{4}$ of her book on Monday.

She reads $\frac{1}{3}$ of the book on Tuesday.

On Wednesday she reads the rest of the book.

What fraction of the book did she read on Wednesday?

Award 1 mark for 1 correct step of calculation.

- Finding equivalent fractions
- Adding fractions together

$\frac{5}{12}$

2 marks

9 Three friends share a chocolate bar.

Laura gets $\frac{3}{9}$, Phil gets $\frac{4}{12}$ and Matt gets $\frac{7}{21}$

Did they share the chocolate bar equally?

Explain your answer.

Yes.

Each fraction is equivalent to one third.

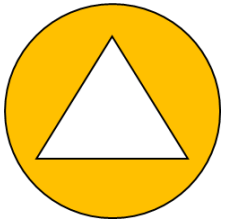
1 mark

10 A circle has an area of $18\frac{1}{6}$ cm^2.

Max cuts a triangle from the circle.

The triangle has an area of $5\frac{2}{3}$ cm^2.

What is the area of the circle that is left?



Award 2 marks for the correct answer.

Award 1 mark for 1 step of correct calculation.

$12\frac{1}{2}$ cm^2

2 marks

Circle how confident you feel with fractions.

1	2	3	4	5
Not confident				Very confident