



Maths - answers

Year 6

Fractions (+ and -)



Answers

1

Use the fraction bars to simplify the fractions.

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

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

6 Calculate

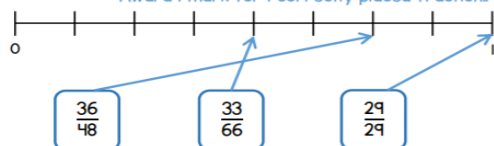
$\frac{2}{3} + \frac{1}{9} = \frac{7}{9}$

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

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

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.

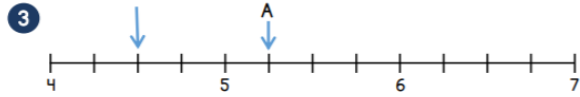
What fraction of the book did she read on Wednesday?

Award 1 mark for 1 correct step of calculation.

- Finding equivalent fractions
- Adding fractions together

$\frac{5}{12}$

2 marks



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 $\frac{1}{2}$ 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 $\frac{3}{7}$ $1\frac{3}{8}$ is less than $\frac{7}{8}$

$\frac{2}{8}$ is equal to $\frac{5}{20}$ $2\frac{1}{4}$ 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.

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



1 mark

2 marks

Award 1 mark for 2 correctly placed fractions.

9 Three friends share a chocolate bar.

Laura gets $\frac{3}{4}$, 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 $18\frac{1}{6}$ cm².

Max cuts a triangle from the circle.

The triangle has an area of $5\frac{2}{3}$ cm².

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.

$12\frac{1}{2}$ cm²

2 marks

Circle how confident you feel with fractions.

- 1 Not confident 2 3 4 5 Very confident

2 marks

English

Give yourself a mark for your answers with reference to any I have provided:

1. What do you think a 'house-agent' is?

A 'house-agent' is a Victorian equivalent of today's estate agent: a person who sells houses.

2. From these introductory paragraphs, what impression do you get of the children's lives? Give **two** reasons to justify your opinion.

Award a mark (up to a maximum of two) for any reference to the children having fortunate/privileged lives because:

- **they have a comfortable house 'with every modern convenience'.**
- **they have a Mother who obviously loves them very much and spends a lot of time with them.**
- **they celebrate birthdays and other 'great occasions'.**
- **they have pretty clothes, good fires, a lovely nursery with heaps of toys, and a Mother Goose wall-paper.**
- **they have a kind and merry nursemaid (nanny).**
- **they have a dog of their very own.**

3. Write down three things that you are told about the children's home.

Award marks for any three of the following:

- **it was an ordinary red-brick-fronted villa;**
- **it had coloured glass in the front door;**
- **it had a tiled passage that was called a hall;**
- **it had a bath-room with hot and cold water;**
- **it had electric bells;**
- **it had French windows;**
- **it had a good deal of white paint;**
- **it had 'every modern convenience'.**

4. Based on what you have read, what do you think might happen to the children later on in the story?

- **You get the impression that the children are somehow going to become more familiar with railways.**
- **You get the impression that the children's privileged lifestyle is about to change.**

Foundations Subject – History

Here are a few things I found out about Peterlee:

- **Peterlee was founded in 1948 under the New Towns Act.**
- **The town of Peterlee was named after a prominent man called, Peter Lee, who was a miners' leader and local councillor.**
- **Peterlee was built to provide modern housing and amenities for the mining communities.**

I hope you managed to find lots more interesting facts and looked into the history of Peterlee a little deeper.