

Fractions Quiz

Ten questions on the whole series. Show your working, then turn the page round to check.

1 In the fraction $5/8$, what does the 8 tell you?

- A

How many parts you have
- B

How many equal parts the whole is split into
- C

How big the whole is
- D

How many wholes there are

2 Which fraction is equivalent to $3/4$?

- A

4/5
- B

6/7
- C

9/12
- D

5/6

3 What is $18/30$ in its simplest form?

- A

9/15
- B

6/10
- C

2/3
- D

3/5

4 Work out $1/4 + 2/3$.

- A

3/7
- B

11/12
- C

3/12
- D

2/7

5 Write $2\frac{3}{5}$ as an improper fraction.

- A

13/5
- B

6/5
- C

10/5
- D

23/5

6 Work out $2/3 \times 3/4$.

- A

5/7
- B

8/9
- C

1/2
- D

9/8

7 Work out $3/5 \div 1/10$.

- A

3/50
- B

1/6
- C

30
- D

6

8 Write $3/8$ as a decimal and as a percentage.

9 A recipe for 6 people uses 450 g of rice. How much rice do 4 people need?

10 Explain why $5 \div 1/2 = 10$ and not $2\frac{1}{2}$.

 **Got one wrong?**
Go back to the part that covers it: Part 2 for simplifying, Part 3 for adding, Part 4 for multiplying and dividing, Part 5 for decimals and Part 6 for common slips.

ANSWERS

1. B: How many equal parts the whole is split into
2. C: $9/12$ (multiply top and bottom by 3)
3. D: $3/5$ (divide top and bottom by the HCF, 6)
4. B: $11/12$ ($3/12 + 8/12$)
5. A: $13/5$ ($2 \times 5 + 3 = 13$)
6. C: $1/2$ ($6/12$ simplified)
7. D: 6 ($3/5 \times 10/1 = 30/5 = 6$)
8. 0.375 and 37.5% ($3 \div 8 = 0.375$, then multiply by 100)
9. 300 g. You need $4/6 = 2/3$ of the amount: $450 \div 3 \times 2 = 300$ g.
10. It asks how many halves fit into 5. Each whole holds 2 halves, so 5 holds 10. Half of 5 ($5 \times 1/2$) is $2\frac{1}{2}$.

SERIES COMPLETE
All 8 parts free at infographhub.com/series/fractions/