

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: $1/2$ ($6/12 \div 2$ 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.
 10. It asks how many halves fit into 5. Each whole holds 2 halves, so 5 holds 10. Half of $5 \times (1/2)$ is $2\frac{1}{2}$.

SERIES COMPLETE

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