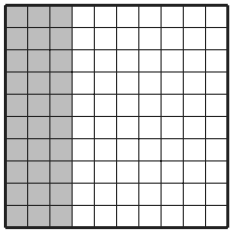
Fractions, decimals and percentages

ANSWERS

1

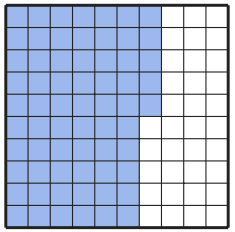
The hundred square is shaded for you.
Complete the table.



Fraction	Decimal	Percentage
$\frac{3}{10}$	0.3	30%

2

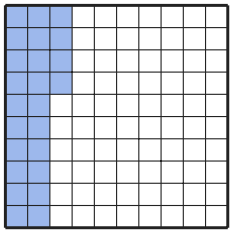
Shade 0.65 on the hundred square.
Then complete the table.



Fraction	Decimal	Percentage
$\frac{13}{20}$	0.65	65%

3

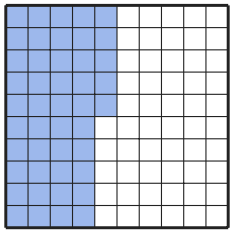
Shade 24% on the hundred square.
Then complete the table.



Fraction	Decimal	Percentage
$\frac{6}{25}$	0.24	24%

4

Complete the table.
Shade the hundred square to check.



Fraction	Decimal	Percentage
$\frac{9}{20}$	0.45	45%

5

Complete the table.

Fraction	Decimal	Percentage
$\frac{7}{100}$	0.07	7%

6

Complete the table.
The denominator does not go into 100, so divide.

Fraction	Decimal	Percentage
$\frac{5}{8}$	0.625	62.5%

5 ÷ 8 = 0.625

7

Kofi says 0.3 is the same as 3%.
Is he right? Explain.

0.3 × 100 = 30, so 0.3 = 30%

3% = 0.03

Answer No, 0.3 = 30%

8

Put these in order, smallest first.

0.36 $\frac{3}{8}$ 37%

0.36 = 36%

3 ÷ 8 = 0.375 = 37.5%

Answer 0.36, 37%, $\frac{3}{8}$

Fractions, decimals and percentages *further practice*

ANSWERS

9

Write each fraction as a percentage.

a) $\frac{1}{4}$ b) $\frac{3}{4}$ c) $\frac{1}{5}$ d) $\frac{1}{10}$

a) 25%

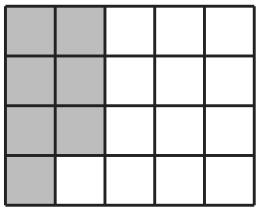
b) 75%

c) 20%

d) 10%

10

What percentage of the grid is shaded?



$\frac{7}{20} = \frac{35}{100}$

Answer 35%

11

Which is the odd one out?
Show how you know.

0.45 $\frac{9}{20}$ 4.5% $\frac{45}{100}$

0.45 = 45%

$\frac{9}{20} = \frac{45}{100} = 45\%$

Answer 4.5%

12

Write $\frac{2}{3}$ as a percentage.
Give your answer to 1 decimal place.

2 ÷ 3 = 0.666...

0.666... × 100 = 66.66...

Answer 66.7%

13

In a survey, $\frac{13}{20}$ of the pupils walk to school and 0.2 of them cycle.
The rest come by bus.
What percentage come by bus?

$\frac{13}{20} = \frac{65}{100} = 65\%$

0.2 = 20%

100% − 65% − 20%

Answer 15%

14

Maya scores $\frac{21}{25}$ in a quiz.
Theo scores 82% in the same quiz.
Who did better? Show how you know.

$\frac{21}{25} = \frac{84}{100} = 84\%$

84% is more than 82%

Answer Maya

15

Put these in order, largest first.

0.08 $\frac{3}{4}$ 7% 0.7 $\frac{4}{5}$

8%, 75%, 7%, 70%, 80%

Answer $\frac{4}{5}$, $\frac{3}{4}$, 0.7, 0.08, 7%

16

Jon says 0.5, 5% and $\frac{1}{5}$ are all the same amount. Is he right? Explain.

0.5 = 50%

$\frac{1}{5}$ = 20%

Answer No: 50%, 5% and 20%