

Percentages to Fractions

Video 122 on www.corbettmaths.com

Examples

Workout



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Question 1: Write each of the following percentages as fractions.
If possible, simplify each answer.

- | | | | |
|---------|---------|---------|---------|
| (a) 3% | (b) 14% | (c) 66% | (d) 10% |
| (e) 17% | (f) 30% | (g) 50% | (h) 25% |
| (i) 15% | (j) 29% | (k) 16% | (l) 44% |
| (m) 99% | (n) 85% | (o) 52% | (p) 80% |
| (q) 60% | (r) 20% | (s) 5% | (t) 72% |
| (u) 98% | (v) 2% | (w) 88% | (x) 15% |

Question 2: Write each of the following percentages as fractions.
If possible, simplify each answer.

- | | | | |
|----------|----------|----------|----------|
| (a) 111% | (b) 130% | (c) 150% | (d) 110% |
| (e) 125% | (f) 165% | (g) 160% | (h) 144% |
| (i) 240% | (j) 390% | (k) 358% | (l) 820% |

Question 3: Write each of the following percentages as fractions.
If possible, simplify each answer.

- | | | | |
|-----------|-----------|------------|-----------|
| (a) 12.5% | (b) 0.2% | (c) 1.8% | (d) 15.2% |
| (e) 30.5% | (f) 87.4% | (g) 31.25% | (h) 0.28% |

Apply

Question 1: Match up any fraction and percentage that are equivalent.
Not all the fractions and percentages will match up.

$\frac{3}{4}$

30%

$\frac{3}{10}$

50%

$\frac{1}{2}$

80%

$\frac{1}{20}$

25%

$\frac{4}{5}$

5%

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Question 2: 10% of the world are left handed.
What fraction of the world are right handed?

Question 3: 32% of people voted for the Yellow Party in an election.
What fraction of people voted for the Yellow Party?

Question 4: Rebecca spent 85% of her pocket money this week.
What fraction of her pocket money did she spend?

Question 5: Neil got 52% of questions correct on a test.
What fraction of questions did he get correct?

Question 6: In a school, students either study French, German or Spanish.
They study one language each.
11% of students study French
27% of students study Spanish
What fraction of the students study German?



Question 7: Louis is completing his homework.
Can you spot any mistakes?

Q1

Write 30% as a fraction.
Give your answer in its simplest form.

$$\frac{30}{100} = \frac{15}{50}$$

Q2

Write 6% as a fraction.
Give your answer in its simplest form.

$$\frac{6}{10} = \frac{3}{5}$$

Answers



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