

Workout

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

- (a) 3% $\frac{3}{100}$ (b) 14% $\frac{7}{50}$ (c) 66% $\frac{33}{50}$ (d) 10% $\frac{1}{10}$
 (e) 17% $\frac{17}{100}$ (f) 30% $\frac{3}{10}$ (g) 50% $\frac{1}{2}$ (h) 25% $\frac{1}{4}$
 (i) 15% $\frac{3}{20}$ (j) 29% $\frac{29}{100}$ (k) 16% $\frac{4}{25}$ (l) 44% $\frac{11}{25}$
 (m) 99% $\frac{99}{100}$ (n) 85% $\frac{17}{20}$ (o) 52% $\frac{13}{25}$ (p) 80% $\frac{4}{5}$
 (q) 60% $\frac{3}{5}$ (r) 20% $\frac{1}{5}$ (s) 5% $\frac{1}{20}$ (t) 72% $\frac{18}{25}$
 (u) 98% $\frac{49}{50}$ (v) 2% $\frac{1}{50}$ (w) 88% $\frac{22}{25}$ (x) 15% $\frac{3}{20}$

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

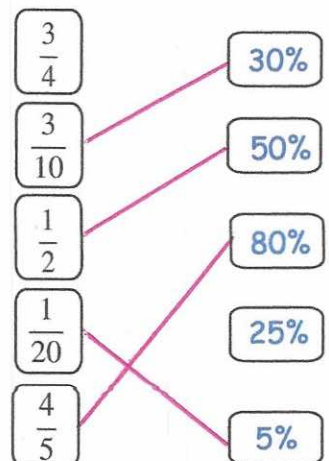
- (a) 111% $\frac{111}{100}$ (b) 130% $\frac{13}{10}$ (c) 150% $\frac{3}{2}$ (d) 110% $\frac{11}{10}$
 (e) 125% $\frac{5}{4}$ (f) 165% $\frac{33}{20}$ (g) 160% $\frac{8}{5}$ (h) 144% $\frac{36}{25}$
 (i) 240% $\frac{12}{5}$ (j) 390% $\frac{39}{10}$ (k) 358% $\frac{179}{50}$ (l) 820% $\frac{41}{5}$

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

- (a) 12.5% $\frac{1}{8}$ (b) 0.2% $\frac{1}{500}$ (c) 1.8% $\frac{9}{500}$ (d) 15.2% $\frac{19}{125}$
 (e) 30.5% $\frac{61}{200}$ (f) 87.4% $\frac{437}{500}$ (g) 31.25% $\frac{5}{16}$ (h) 0.28% $\frac{7}{2500}$

Apply

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



Percentages to Fractions

Video 122 on www.corbettmaths.com

Question 2: 10% of the world are left handed.
What fraction of the world are right handed? $\frac{9}{10}$



Question 3: 32% of people voted for the Yellow Party in an election.
What fraction of people voted for the Yellow Party? $\frac{8}{25}$

Question 4: Rebecca spent 85% of her pocket money this week.
What fraction of her pocket money did she spend? $\frac{17}{20}$

Question 5: Neil got 52% of questions correct on a test.
What fraction of questions did he get correct? $\frac{13}{25}$

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? $\frac{31}{50}$



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.

$$\frac{30}{100} = \frac{15}{50} = \frac{3}{10}$$

(Handwritten annotations: ÷5 above 15, ÷5 below 50, and arrows pointing to the simplified fraction 3/10)

Q2

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

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

(Handwritten annotation: A pink oval around the fraction 6/10)

$$\frac{6}{100} = \frac{3}{50}$$