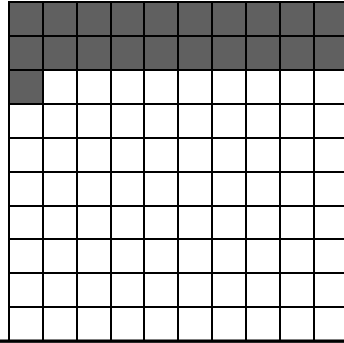


Percentages, Fractions & Decimals

When a quantity is divided into 100 “bits” each bit is called “1 percent”.

$$21\% = \frac{21}{100} = 0.21$$

Percentage Fraction Decimal



Exercise 1(B)

- Write each percentage as a fraction *and* as a decimal:
a) 50% b) 25% c) 75% d) 20% e) 10%
- Write the following percentages as fractions:
a) $33\frac{1}{3}\%$ b) $66\frac{2}{3}\%$ c) 40% d) 60% e) 80%
- Write each percentage as a fraction *and* as a decimal:
a) 67% b) 29% c) 57% d) 61% e) 37%
f) 91% g) 41% h) 11% i) 1% j) 7%
- Write each fraction as a percentage *and* as a decimal:
a) $\frac{33}{100}$ b) $\frac{83}{100}$ c) $\frac{3}{100}$ d) $\frac{17}{100}$
e) $\frac{31}{100}$ f) $\frac{71}{100}$ g) $\frac{9}{100}$ h) $\frac{53}{100}$
- Write each decimal as a fraction *and* as a percentage:
a) 0.63 b) 0.79 c) 0.27 d) 0.19
e) 0.43 f) 0.89 g) 0.51 h) 0.01

- 6 A survey found that 45 out of 100 cars have alarms fitted. What percentage **a)** have alarms fitted **b)** don't have alarms fitted?
- 7 67 people out of 100 said that they were holidaying in Scotland this year. What percentage are **a)** holidaying in Scotland **b)** holidaying abroad?
- 8 A survey found that only 34 out of 100 people eat breakfast in the morning. What percentage **a)** eat breakfast **b)** don't eat breakfast?

Exercise 1(C)

- 1 Write the following fractions as percentages *and* decimals:

a) $\frac{7}{50}$ b) $\frac{3}{50}$ c) $\frac{12}{25}$ d) $\frac{7}{20}$ e) $\frac{13}{20}$

f) $\frac{7}{10}$ g) $\frac{3}{10}$ h) $\frac{9}{10}$ i) $\frac{16}{40}$ j) $\frac{34}{40}$

k) $\frac{12}{80}$ l) $\frac{36}{90}$ m) $\frac{7}{70}$ n) $\frac{12}{75}$ o) $\frac{9}{75}$

Percentages as Fractions in Simplest Form

Exercise 2(B)

- 1 Write each percentage as a fraction in its simplest form:
- a) 40% b) 20% c) 90% d) 4% e) 12%
- f) 16% g) 80% h) 30% i) 35% j) 55%
- k) 22% l) 95% m) 28% n) 36% o) 48%
- 2 The label below shows the nutritional content from a tub of coleslaw. Change the percentage of each nutritional element to a fraction in its simplest form.



<u>COLESLAW</u>	
Total Fat	24%
Saturated Fat	15%
Cholesterol	2%
Sodium	8%