

Finding Percentages



A. Change the following fractions to percentages.

Example 1

Multiplication

Example 2

Equivalent fractions

$$\frac{42}{120} = \frac{42}{120} \times 100\% = \underline{35\%}$$

$$\frac{42}{120} = \frac{7}{20}$$

(Arrows show 42 ÷ 6 = 7 and 120 ÷ 6 = 20)



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

(Arrows show 7 × 5 = 35 and 20 × 5 = 100)

$$\frac{42}{120} = \frac{35}{100} = \underline{35\%}$$

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|-----------------------|----------------------|------------------------|-----------------------|-----------------------|
| 1). $\frac{14}{25}$ | 2). $\frac{19}{20}$ | 3). $\frac{140}{200}$ | 4). $\frac{465}{500}$ | 5). $\frac{243}{300}$ |
| 6). $\frac{135}{250}$ | 7). $\frac{48}{160}$ | 8). $\frac{112}{175}$ | 9). $\frac{96}{150}$ | 10). $\frac{42}{120}$ |
| 11). $\frac{3}{8}$ | 12). $\frac{9}{16}$ | 13). $\frac{221}{250}$ | 14). $\frac{21}{240}$ | 15). $\frac{51}{160}$ |

Find the fraction, then
change it to a percentage.



B. Answer the following questions.

- 1). Piet has 50 apples to sell. At the end of the day he has sold 43 apples.
 - a). What percentage of apples has Piet sold?
 - b). What percentage of apples remain unsold?
- 2). Alex paints a wall that is 25 m². She paints 13 m² on Monday and the rest on Tuesday.
 - a). What percentage of the wall does she paint on Monday?
 - b). What percentage of the wall does she paint on Tuesday?
- 3). Ruby has 900 g of sugar. She uses 720 g of the sugar to make a cake.
 - a). What percentage of the sugar does she use?
 - b). What percentage of the sugar remains unused?
- 4). A large bakery has 400 kg of flour and uses 220 kg to make bread.
 - a). What percentage of the flour does the bakery use?
 - b). What percentage of the flour does the bakery have left?
- 5). 1800 people watch a football match. 1125 are adults, the rest are children.
 - a). What percentage of the crowd are adults?
 - b). What percentage of the crowd are children?
- 6). Victor has 240 marbles. 45 of the marbles are blue.
 - a). What percentage of the marbles are blue?
 - b). What percentage of the marbles are **not** blue?
- 7). In a school there are 1200 pupils. 525 of the pupils walk to school.
 - a). What percentage of pupils walk to school?
 - b). What percentage of pupils don't walk to school?
- 8). On an aeroplane there are 320 seats. 116 are first class seats.
 - a). What percentage of the seats on the aeroplane are first class seats?
 - b). What percentage of the seats on the aeroplane are not first class seats?

