Timester Challenge
Percentage Change

A school has 1,400 students. 756 of these are female. What percentage of the school is male?

Bronze ⭐

The population in the UK was approximately 66 million in 2017. In 2000 the population was approximately 59 million. Calculate the percentage change to 3 significant figures.

Silver ⭐

The minimum wage in 2014 was £6.50 an hour for people aged 21 and over. In 2017 this increased to £7.50. Work out the percentage change. Give your answer correct to 1 decimal place.

Gold ⭐

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30 people took their driving test. 24 people passed. What percentage of people failed?

Bronze ⭐

The table shows the number of computers fixed in a local store. Work out the percentage increase in the number of computers being fixed in September.

August	September
85	153

Silver ⭐

A shop sells clothes and has a 15% reduction off all prices. In the second week of the sale the prices are reduced by a further 10%. Work out the overall percentage reduction on any item of clothing.

Gold ⭐

Timester Challenge
Percentage Change
Answers

A school has 1,400 students. 756 of these are female. What percentage of the school is male?

$$\frac{756}{1400} = \frac{54}{100} = 54\%$$

Bronze ⭐

The population in the UK was approximately 66 million in 2017. In 2000 the population was approximately 59 million. Calculate the percentage change to 3 significant figures.

$$\frac{66-59}{59} = \frac{7}{59} = 11.9\% \text{ decrease}$$

Silver ⭐

The minimum wage in 2014 was £6.50 an hour for people aged 21 and over. In 2017 this increased to £7.50. Work out the percentage change. Give your answer correct to 1 decimal place.

$$\frac{7.50-6.50}{6.50} = \frac{1}{6.50} = 15.4\% \text{ Increase}$$

Gold ⭐

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30 people took their driving test. 24 people passed. What percentage of people failed?

$$\frac{6}{30} = \frac{2}{10} = 20\%$$

Bronze ⭐

The table shows the number of computers fixed in a local store. Work out the percentage increase in the number of computers being fixed in September.

August	September
85	153

$$\frac{153-85}{85} = \frac{68}{85} = \frac{8}{10} = 80\% \text{ Increase}$$

Silver ⭐

A shop sells clothes and has a 15% reduction off all prices. In the second week of the sale the prices are reduced by a further 10% at the till. Work out the overall percentage reduction on any item of clothing.

$$0.85 \times 0.9 = 0.765$$

$76.5\% \text{ of original price}$

$23.5\% \text{ decrease}$

Gold ⭐