



SCAN ME

Percentage Increase/Decrease



SCAN ME

← REVERSE THIS TOPIC

CHECK YOUR ANSWERS →

1 Increase 150 by 10% [2 marks]

Answer _____



2 Decrease 4000 by 1% [2 marks]

Answer _____



3 Increase 66 by 50% [2 marks]

Answer _____





4 Decrease 420 by 20% [3 marks]



Answer _____

5 Increase 80 by 15% [3 marks]



Answer _____

6 Decrease 250 by 30% [3 marks]



Answer _____





7 Increase 3650 by 2% [2 marks]

Answer _____

8 Decrease 77 by 12% [2 marks]

Answer _____

9 Increase 97150 by 27% [2 marks]

Answer _____





- 10** In 2024 the population of a small town is 18200
Between 2024 and 2025 the population increased by 4%
- Work out the population of the town in 2025. **[2 marks]**

Answer _____

- 11** The normal price of a laptop is £460
The laptop is in a sale for 15% off.
- Work out the price of the laptop in the sale. **[2 marks]**

Answer £ _____

- 12** Ricky is paid £12.00 per hour.
He receives a 2.5% pay rise.
- Work out Ricky's new hourly pay with the pay rise. **[2 marks]**

Answer £ _____





13

The bill at a restaurant is £82.00
There is an additional charge of 2% if paying by credit card.

Work out the total bill if paying by credit card.

[2 marks]

Answer £ _____

14

A regular box of cereal contains 120 grams.
A large box of cereal contains 30% extra.

Kelly buys 3 large boxes of cereal and 2 regular boxes.
Work out the total mass of all the boxes of cereal that Kelly buys.

[4 marks]

Answer _____ grams





- 15 The prices for tickets to a theme park are shown below.

Adult ticket: £40
Child ticket: £25

Mr Woods buys 2 adult ticket and 3 child tickets.
He has a voucher that gives him 25% off.

Work out the total cost of the tickets when using the voucher.

[4 marks]

Answer £ _____

- 16 Luke receives 25% extra time for his exams.
One of Luke's exams lasts for 2 hours without the extra time.

Work out how long this exam is with the extra time.
Give your answer in hours and minutes.

[3 marks]

Answer _____ hours _____ minutes





17

On Monday the daytime temperature was 15.0°C

On Tuesday the daytime temperature was 2% higher than on Monday.

Rayna works out the daytime temperature on Tuesday with the following method

$$15 \times 1.2 = 18^{\circ}\text{C}$$

Explain the mistake that Rayna has made.

[1 mark]

18

Jessie and James both train for long jump.

Compare to last year

Jessie increased her personal best jump by 12%

James increased his personal best jump by 10%

Who increased their personal best jump by a greater distance?

Tick **one** box

☐

Jessie

☐

James

☐

Not possible to tell

Give a reason for your answer.

[2 marks]

