



SCAN ME

Percentage Increase/Decrease



SCAN ME

REVISE THIS
TOPIC

CHECK YOUR
ANSWERS

1 Increase 150 by 10%



.....
(Total for Question 1 is 2 marks)

2 Decrease 4000 by 1%



.....
(Total for Question 2 is 2 marks)

3 Increase 66 by 50%



.....
(Total for Question 3 is 2 marks)



4 Decrease 420 by 20%



.....
(Total for Question 4 is 3 marks)

5 Increase 80 by 15%



.....
(Total for Question 5 is 3 marks)

6 Decrease 250 by 30%



.....
(Total for Question 6 is 3 marks)



7 Increase 3650 by 2%

.....
(Total for Question 7 is 2 marks)

8 Decrease 77 by 12%

.....
(Total for Question 8 is 2 marks)

9 Increase 97150 by 27%

.....
(Total for Question 9 is 2 marks)



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.

.....
(Total for Question 10 is 2 marks)

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.

£
(Total for Question 11 is 2 marks)

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.

£
(Total for Question 12 is 2 marks)



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.

£

(Total for Question 13 is 2 marks)

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.

..... grams

(Total for Question 14 is 4 marks)



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.

£

(Total for Question 15 is 4 marks)

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.

..... hours minutes

(Total for Question 16 is 3 marks)



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.

.....

.....

.....

.....

(Total for Question 17 is 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.

.....

.....

.....

.....

(Total for Question 18 is 2 marks)

