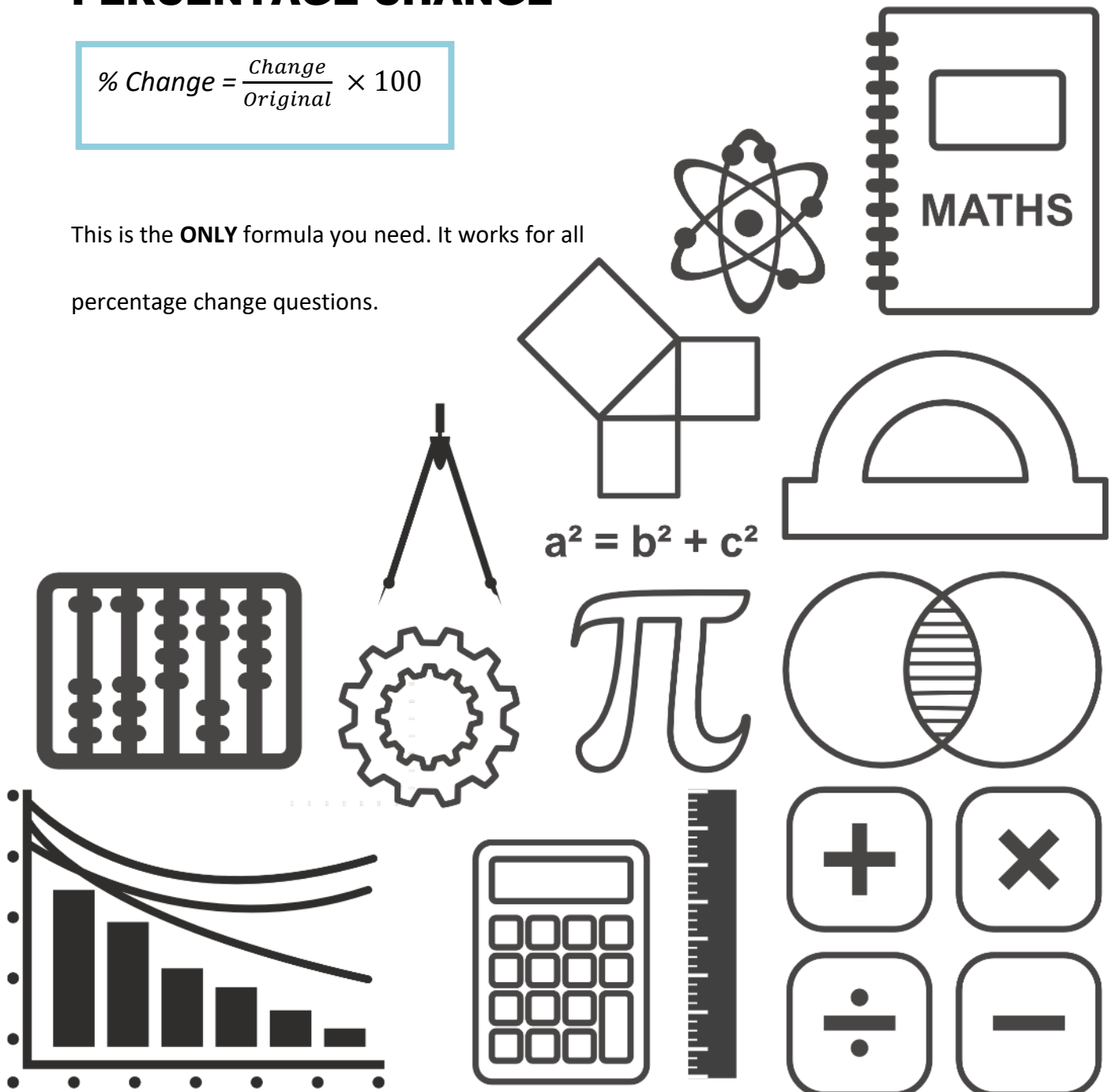


GCSE TOPIC BOOKLET PERCENTAGE CHANGE

$$\% \text{ Change} = \frac{\text{Change}}{\text{Original}} \times 100$$

This is the **ONLY** formula you need. It works for all percentage change questions.



1. The cost of a stand season ticket last year was £200. This year it has increased to £250. Find the percentage increase in the cost of the stand season ticket.

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(3)

2. The cost of a weekly travel ticket increases from £12 to £15. Find the percentage increase in the cost of the weekly travel ticket.

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(3)

3. The price of a DVD is reduced from £12 to £10.20. What is the percentage reduction?

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(3)

4. A newspaper claimed that its circulation had increased from 3 560 000 to 3 755 800. What percentage increase is this?

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(3)

5. The value of a car depreciates from £8000 to £7040. What percentage depreciation is this?

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(3)

6. George invests £3000 in shares. Unfortunately the shares reduce in value to £2640. What is the percentage reduction?

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(3)

7. Noah owns an antique French mirror. He bought it for £320 and sells it at a profit some years later for £528. What is Noah's percentage profit?

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(3)

8. The population of a country increases from 56 000 000 to 59 000 000. What percentage increase is this?

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(3)

9. Natalia paid £245 800 for her house. It is now worth £335 000. What is the percentage appreciation? Give your answer to one decimal place.

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(3)

10. I.T. equipment costing £2400, is only worth £1800 the following year. What is the percentage depreciation?

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(3)

11. A photo shoot costing £385 is reduced to £315 due to a lack of bookings. What is the percentage reduction?

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(3)

12. Emma bought a sports car for £42,000. She sold it 3 years later for £28,000. What is the percentage loss?

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(3)

13. George scored 48 in his maths mock. When he re-sat the exam he improved his mark to 60. What is his percentage improvement?

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(3)

14. A flight attendant gets a discount. He books a flight to America that should cost £800 but he only pays £520. What is his percentage discount?

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(3)

15. An online book retailer has a sale. A book that used to cost £15 is now on sale for £9.75. What is the percentage reduction?

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(3)

16. Alex paid £14 500 for a boat. Three years later he sells it for £9000. What is his percentage loss? Give your answer to two decimal places.

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(3)