



National 5 Maths Reverse Percentage

SQA past paper and specimen paper
questions and answers by topic

SQA material is copyright © Scottish Qualifications Authority
and has been reproduced by kind permission of SQA.

This resource is free to distribute and use on a non-commercial basis.

Visit [Maths.scot](https://www.maths.scot) for full worked solutions to each of these questions.



This year Adèle paid £465 for her car insurance.
This is an increase of 20% on last year's payment.
How much did Adèle pay last year?

3

Answer:

£387.50

National 5 Maths
SQA 2014 Paper 1
Question 9

National 5 Maths

Maths.scot



480 000 tickets were sold for a tennis tournament last year.

This represents 80% of all the available tickets.

Calculate the total number of tickets that were available for this tournament. **3**

Answer:

600 000

National 5 Maths
SQA 2015 Paper 2
Question 8

James paid £297.50 for a laptop in a sale.
The discount in the sale was 15%.
Calculate the original price of the laptop.

3

Answer:

£350

National 5 Maths
SQA 2017 Paper 2
Question 5

A theatre group sold 4830 tickets for their show.

This was 15% more than they sold last year.

How many tickets did they sell last year?

3

Answer:

4200

Venus and Earth are two planets within our solar system.



Venus



Earth

The volume of Venus is approximately 9.3×10^{11} cubic kilometres.

This is 85% of the volume of Earth.

Calculate the volume of Earth.

3

Answer:

$$1.094 \times 10^{12} \text{ km}^3$$

National 5 Maths
SQA 2019 Paper 2
Question 9

Georgie had her roof repaired.

She was charged an extra 2.5% for late payment.

She had to pay a total of £977.85.

Calculate how much she would have **saved** if she had paid on time.

3

Answer:

£23.85

National 5 Maths
SQA 2021 Paper 1
Question 12

A band sold 2400 tickets for their gig in Edinburgh.

This was 75% of the number of tickets sold for their gig in Glasgow.

Calculate the number of tickets sold for their gig in Glasgow.

3

Answer:

3200

National 5 Maths
SQA 2022 Paper 1
Question 10

Tommy buys flower seeds from a website.

Tommy is given a 30% discount. He pays £16.10 for the seeds.

Calculate the cost of the flower seeds without the discount.

3

Answer:

£23

National 5 Maths
SQA 2023 Paper 2
Question 6

Nadim bought a flat last year.

The value of the flat has increased by 8% and it is now worth £94,500.

Calculate how much Nadim paid for the flat.

3

Answer:

£87 500