

GCSE Mathematics

F

Reverse Percentages Practice

Foundation, Grade 5-6

Total Marks	Time	Questions
40	40 min	20

Instructions:

- Do not use a calculator when you see: 
- Answer all questions in the spaces provided.
- Show all your working - marks are awarded for method as well as final answers.
- Cross through any work you do not want to be marked.
- Check your answers if you have time at the end.

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Edexcel-style questions**Q1**

Grade 5

Edexcel style

A number is increased by 20% to give 96. Find the original number.

Answer

teachably

[2 marks]**Q2**

Grade 5

Edexcel style

A number is decreased by 15% to give 102. Find the original number.

Answer

teachably

[2 marks]**Q3**

Grade 6

Edexcel style

A washing machine costs £258 including 20% VAT. Find the price before VAT was added.

Answer

teachably

[2 marks]

Q4

Grade 6

Edexcel style

In a sale, all prices are reduced by 30%. A jacket now costs £42. What was the original price?

Answer

teachably

[2 marks]**Q5**

Grade 6

Edexcel style

The population of a town increased by 8% last year to 27 000. What was the population before the increase?

Answer

teachably

[2 marks]

AQA-style questions**Q6**

Grade 5

AQA style

A number is increased by 5% to give 63. Find the original number.

Answer

teachably

[2 marks]**Q7**

Grade 5

AQA style

A number is decreased by 25% to give 72. Find the original number.

Answer

teachably

[2 marks]**Q8**

Grade 6

AQA style

A laptop costs £480 including 20% VAT. Find the price before VAT was added.

Answer

teachably

[2 marks]

Q9

Grade 6

AQA style

In a sale, all prices are reduced by 15%. A bike now costs £127.50. What was the original price?

Answer

teachably

[2 marks]**Q10**

Grade 6

AQA style

After a 4% pay increase, Maya's salary is £24 960 per year. What was her salary before the increase?

Answer

teachably

[2 marks]

OCR-style questions**Q11**

Grade 5

OCR style

A number is increased by 12% to give 112. Find the original number.

Answer

teachably

[2 marks]**Q12**

Grade 5

OCR style

A number is decreased by 40% to give 39. Find the original number.

Answer

teachably

[2 marks]**Q13**

Grade 6

OCR style

A sofa costs £402 including 20% VAT. Find the price before VAT was added.

Answer

teachably

[2 marks]

Q14

Grade 6

OCR style

In a sale, all prices are reduced by 25%. A television now costs £315. What was the original price?

Answer

teachably

[2 marks]**Q15**

Grade 6

OCR style

A water tank's volume decreased by 12% due to evaporation, leaving 440 litres. What was the original volume?

Answer

teachably

[2 marks]

Teachably-style questions**Q16**

Grade 5

Teachably style

A number is increased by 30% to give 91. Find the original number.

Answer

teachably

[2 marks]**Q17**

Grade 5

Teachably style

A number is decreased by 5% to give 133. Find the original number.

Answer

teachably

[2 marks]**Q18**

Grade 6

Teachably style

A television costs £372 including 20% VAT. Find the price before VAT was added.

Answer

teachably

[2 marks]

Q19

Grade 6

Teachably style

In a sale, all prices are reduced by 10%. A watch now costs £117. What was the original price?

Answer _____

teachably

[2 marks]**Q20**

Grade 6

Teachably style

A company's profit decreased by 18% to £41 000. What was the original profit?

Answer _____

teachably

[2 marks]**END OF PAPER****Want help from an expert maths tutor?**

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