

Name:

Date:

Reverse Percentages

GCSE

Edexcel
Mathematics
Grade (9-1)

Mark

Score (%)

<hr/> 48

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Materials

For this paper you must have:

- Ruler
- Pencil, Rubber, Protractor and Compass
- Scientific calculator, which you are expected to use when appropriate

Instructions

- Answer all questions
- Answer questions in the space provided
- All working must be shown
- Do all rough work in this book. Cross out any rough work you don't want to be marked

Information

- The marks for the questions are shown in brackets

Leave blank

- 1 Jennifer invested in a special saving account that offers 6% compound interest annually. At the end of first year the total amount in her savings account was \$428.60.

Work out the amount invested.

\$

(Total for question 1 is 2 marks)

- 2 The population of Alberta, province of Canada is 4,067,175 in 2016. It is 11.57% of Canada's total population.

What is the total population of Canada?

.....

(Total for question 2 is 2 marks)

Leave
blank

3 The sale price of an iron after 15% discount is £85.80.

Calculate the original price of the iron.

£

(Total for question 3 is 2 marks)

4 Hari purchases a bicycle for £295, 15% VAT included in it.

What is the cost price excluding VAT?

£

(Total for question 4 is 2 marks)

5 Austin has 88 toys in August which is 65% more than she had in July.

Find the number of toys she had in the month of July.

.....
(Total for question 5 is 2 marks)

6 Katherine salary is £38,240. Her salary is increased by 15% this year.

Calculate her salary last year.

£
(Total for question 6 is 2 marks)

7 During an advertisement campaign there is 20% more sugar in each packet than usual packets.
If there is 1000g sugar in campaign packet, work out the weight of sugar in a usual packet.

..... g

(Total for question 7 is 2 marks)

8 A dairy milk supply tank contains 823 litres of milk after 38% of the milk was sold.
How many litres of milk was there in the tank?

..... l

(Total for question 8 is 2 marks)

Leave blank

9 Mr Harris paid £98950 including 17% VAT to buy a new house.

Calculate the amount of VAT he paid.

£

(Total for question 9 is 2 marks)

10 A washing machine is at sale with 35% discount. If its sale price is £580.

Calculate the original price of the washing machine.

£.....

(Total for question 10 is 2 marks)

11 There are 10,000 people in a cricket stadium.
The commentator says this is 30% more than the number of people came last year.

How many people were there last year?

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

12 The sale price of sports kit after 15% discount is £530.

What is the original sale price of the kit?

£
(Total for question 12 is 2 marks)

13 Sabrina attempted 90% questions in her math paper. She solved 18 questions.

How many questions were there in the paper?

.....
(Total for question 13 is 2 marks)

14 A shopkeeper offers 20% discount during a sale. The sale price of a horse bridle is £42.

Calculate its actual sale price.

£
(Total for question 14 is 2 marks)

15 The cash price of a vehicle is £92,500 after 10% discount.

Work out the original price of the vehicle.

£

(Total for question 15 is 2 marks)

16 A complete offers 30% discount on its cosmetics products.
The sale price of a makeup kit is £72.40.

What is its sale price without discount?

£

(Total for question 16 is 2 marks)

Leave
blank

17 The fare of a train is raised by 6%. A man pays £22 for a journey.

Calculate his fare without 6% increase.

£

(Total for question 17 is 2 marks)

18 The sale price of an antique chest is £5000 after 10% discount.

Calculate its actual price.

£

(Total for question 18 is 2 marks)

19 A book sells for £15.50 in a book fair. If there is 25% off in the book fair.

What is the original price of the book?

£

(Total for question 19 is 2 marks)

20 There are 820 fishes in a pound. 60% fishes were sold last month.

How many fishes were there before the sale?

.....

(Total for question 20 is 2 marks)

21 A piece of furniture costs £440 including 13% GST.

Find its price without GST.

£

(Total for question 21 is 2 marks)

22 The sale price of a hat is £20.50 after a 10% discount.

Calculate the original price of the hat.

£

(Total for question 22 is 2 marks)

23 8000 people visited an exhibition in 2015.
It is said 30% more people visited this year than last year.

How many people visited the exhibition in 2014?

.....
(Total for question 23 is 2 marks)

24 A company offers 18% discount on women products.
Kelly buys a purse for £120.

What is the actual price of the purse?

£
(Total for question 24 is 2 marks)