



# EXAM PAPERS PRACTICE

GCSE Edexcel Math

1MA1

Reverse Percentages

Question Paper

*"We will help you to  
achieve A Star "*



**Question 1**

The normal price of a television is reduced by 30% in a sale.

The sale price of the television is £350

Work out the normal price of the television.

[3 marks]

**Question 2**

Each year Wenford Hospital records how long patients wait to be treated in the Accident and Emergency department.

In 2015 patients waited 11% less time than in 2014

In 2015 the average time patients waited was 68 minutes.

- (a) Work out the average time patients waited in 2014  
Give your answer to the nearest minute.

[3 marks]



**Question 3**

Jules buys a washing machine.

20% VAT is added to the price of the washing machine.  
Jules then has to pay a total of £600

What is the price of the washing machine with **no** VAT added?

[2 marks]

**Question 4**

(b) The increase in price of a flight to Mumbai was £48

Work out the price of a flight to Mumbai after the increase.

[3 marks]

**Question 5**

Eloy's height at the age of 12 years was 85% of his height at the age of 20 years.

(b) Work out Eloy's height when his age was 20 years.

[3 marks]



**Question 6**

Claire is making a loaf of bread.

A loaf of bread loses 12% of its weight when it is baked.

Claire wants the baked loaf of bread to weigh 1.1 kg.

Work out the weight of the loaf of bread before it is baked.

[3 marks]

**Question 7**

The hospital has a target to reduce the average time patients wait to be treated in the Accident and Emergency department to 60 minutes in 2016

(b) Work out the percentage decrease from 68 minutes to 60 minutes.

[2 marks]

**Question 8**

An airline increases the prices of its flights by 8%.

(a) Before the increase, the price of a flight to Cairo was £475

Work out the price of a flight to Cairo after the increase.

[3 marks]



**Question 9**

Eloy's height was 125 cm when his age was 7 years.  
His height was 153 cm when his age was 12 years.

(a) Work out the percentage increase in Eloy's height between the ages of 7 and 12 years.

[3 marks]

**Question 10**

In a sale normal prices are reduced by 20%.

A washing machine has a sale price of £464

By how much money is the normal price of the washing machine reduced?

[3 marks]

**Question 11**

On 9th May, 2009, there were 3440 people in the world with swine flu.  
Of these people, 1639 were in the USA.

(a) Express 1639 as a percentage of 3440  
Give your answer correct to 1 decimal place.

[2 marks]



**Question 12**

- (a) Helen's savings increased from £155 to £167.40

Work out the percentage increase in Helen's savings.

[3 marks]

**Question 13**

In a sale, all normal prices are reduced by 15%.

- (a) The normal price of a washing machine is 270 dollars.

Work out the sale price of the washing machine.

[3 marks]

**Question 14**

A clothes shop has a sale.

In the sale, normal prices are reduced by 12%

The normal price of a shirt is £30

- (a) Work out the sale price of the shirt.

[3 marks]



**Question 15**

A shop has a sale.

Microwave ovens

$\frac{1}{3}$  off normal price

Combination ovens

40% off normal price

A microwave oven has a sale price of £90

A combination oven has a sale price of £84

Which of these ovens has the greater normal price?

You must show all your working.

[4 marks]



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**Question 10**

**Question 11**





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**Question 12**



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**Question 13**



**EXAM PAPERS PRACTICE**

**Question 14**



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**Question 15**