

Name: _____

GCSE Unit 4 Practice Assessment

Date: _____

Time: 50 minutes

Total marks available: 46

Total marks achieved: _____

Questions

Q1.

A set of tyres normally costs £500

In a sale there is a 30% discount.

Work out the sale price of the set of tyres.

£

(Total for Question is 3 marks)

Q2.

A TV costs £400

Peter pays a deposit of 15%.

How much does Peter still have to pay for the TV?



£

(Total for Question is 3 marks)

Q3.

Liam, Sarah and Emily shared some money in the ratio 2 : 3 : 7

Emily got £80 more than Liam.

How much money did Sarah get?

(Total for question = 3 marks)

Q4.

Work out $3\frac{1}{3} \times 4\frac{2}{5}$

Give your answer as a mixed number in its simplest form.

.....
(Total for question = 3 marks)

Q5.

On a farm, $4\frac{1}{2}$ out of every 15 acres of the land are used to grow crops.

Wheat is grown on $\frac{5}{8}$ of the land used to grow crops.

What percentage of the total area of the land on the farm is used to grow wheat?

(Total for question = 3 marks)

Q6.

Work out $3\frac{1}{3} \div 4\frac{3}{4}$

.....
(Total for Question is 2 marks)

Q7.

Last year, Jora spent

30% of his salary on rent

$\frac{2}{5}$ of his salary on entertainment

$\frac{1}{4}$ of his salary on living expenses.

He saved the rest of his salary.

Jora spent £3600 on living expenses.

Work out how much money he saved.

£

(Total for Question is 5 marks)

Q8.

Here is a plan of Martin's driveway.

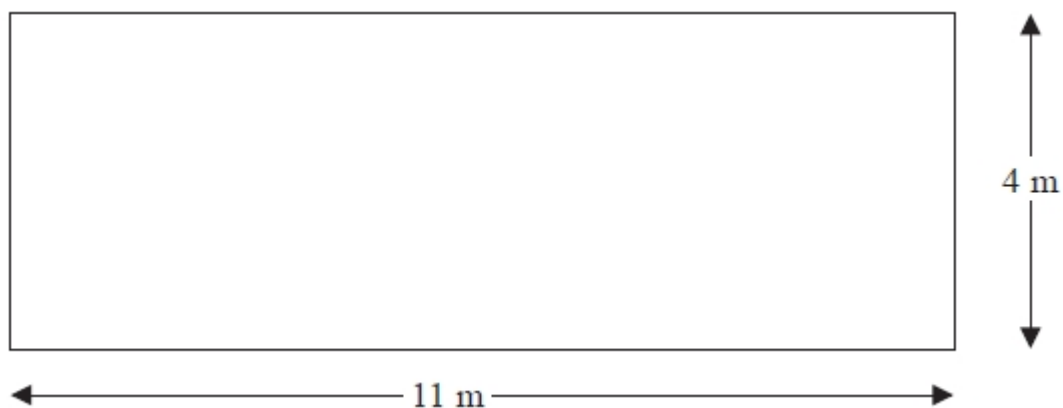


Diagram **NOT** accurately drawn

Martin is going to cover his driveway with gravel.
The gravel will be 6 cm deep.

Gravel is sold in bags.
There are 0.4 m^3 of gravel in each bag.
Each bag of gravel costs £38

Martin gets a discount of 30% off the cost of the gravel.

Work out the total amount of money Martin pays for the gravel.

£.....

(Total for Question is 5 marks)

Q9.

60 children go to a nursery.

The ratio of girls to boys is 3 : 2

The children go to the nursery either in the morning or in the afternoon.

$\frac{3}{4}$ of the children go to the nursery in the morning.

The rest of the children go to the nursery in the afternoon.

7 boys go to the nursery in the afternoon.

Work out how many girls go to the nursery in the morning.

.....
(Total for question = 5 marks)

Q10.

(a) Work out the reciprocal of 1.25

.....
(1)

(b) Work out the value of $\frac{9.6}{\sqrt{5} - 1.7}$

Give your answer correct to 2 decimal places.

.....
(2)

(Total for question = 3 marks)

Q11.

Here are the ingredients needed to make 20 cookies.

Cookies	
Ingredients to make 20 cookies.	
250 g butter	
120 g caster sugar	
300 g flour	

Sam is going to make some cookies.

She has these ingredients.

625 g butter

360 g caster sugar

1000 g flour

Work out the greatest number of cookies that Sam can make with her ingredients.
You must show your working.

.....

(Total for question = 3 marks)

Q12.

Ben goes on holiday to Hong Kong.

In Hong Kong, Ben sees a camera costing HK\$3179.55

In London, an identical camera costs £285

The exchange rate is £1 = HK\$12.30

Ben buys the camera in Hong Kong.

How much cheaper is the camera in Hong Kong than in London?

.....

(Total for Question is 3 marks)

Q13.

Lewis has a copper pipe with a length of 150 cm and a mass of 800 grams.

He cuts a piece of the copper pipe with a length of 90 cm.

Work out the mass of this piece of copper pipe.

..... grams

(Total for Question is 2 marks)

Q14.

Express the recurring decimal $0.\dot{1}\dot{5}$ as a fraction.
Give your answer in its simplest form.

.....
(Total for Question is 3 marks)