

Applying number

Question Paper

Level	IGCSE
Subject	Maths
Exam Board	Edexcel
Topic	Number and Algebra
Sub Topic	Applying number
Booklet	Question Paper

Time Allowed: 42 minutes

Score: /35

Percentage: /100

Grade Boundaries:

9	8	7	6	5	4	3	2	1
>90%	80%	70%	60%	50%	40%	30%	20%	10%

1 Here is a list of ingredients for making Apple and Raspberry Crumble for 6 people.

Apple and Raspberry Crumble

Ingredients for 6 people

120 grams	plain flour
230 grams	apples
200 grams	raspberries
160 grams	soft brown sugar
90 grams	butter

Sam wants to make Apple and Raspberry Crumble for 15 people.
She has enough plain flour, soft brown sugar and butter.

Work out the amount of apples and the amount of raspberries Sam needs.

apples grams

raspberries grams

(Total for Question 1 is 3 marks)

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- 2** The length of Rachael’s journey from her home to work is 72 km.
The journey takes 1 hour 20 minutes.

Work out her average speed in km/h.

..... km/h

(Total for Question 2 is 3 marks)

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- 3 Jalin lives in England.
He does a search on the internet and sees the same type of camera on sale in France and in America.

In France, the camera costs 126 euros.

In America, the camera costs \$165.24

Jalin finds out these exchange rates.

Exchange rates

1 euro = £0.89

£1 = \$1.62

How much cheaper is the camera in America than in France?
Give your answer in pounds (£).

£

(Total for Question 3 is 4 marks)

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4

1 euro = 120 yen
£1 = 1.2 euros

Change £50 to yen.

..... yen

(Total for Question 4 is 2 marks)

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5 Eric travels from the UK to India every year.

In 2010, the exchange rate was £1 = 67.1 rupees.

In 2012, the exchange rate was £1 = 82.5 rupees.

In 2010 Eric changed £600 into rupees.

How many pounds (£) did Eric have to change to rupees in 2012 to get the same number of rupees as he did in 2010?

£

(Total for Question 5 is 3 marks)

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6 John changes £450 to euros.

The exchange rate is £1 = 1.16 euros.

(a) Change £450 to euros.

..... euros
(2)

When in Amsterdam, John uses his credit card to pay for a ring costing 850 euros.

He has to pay a bank charge of £3.50 for using his credit card in addition to the cost of the ring.

(b) Work out the total cost, in pounds (£), of the ring and the bank charge.

£
(3)

(Total for Question 6 is 5 marks)

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- 7 Lizzy drove by car to visit her aunt.
She left home at 9:30 am.

Lizzy arrived at her aunt's house at 11:15 am.
She drove a distance of 140 km.

Work out, in km/h, Lizzy's average speed for the journey.

..... km/h

(Total for Question 7 is 3 marks)

8 Here are the ingredients needed to make 12 muffins.

Ingredients to make 12 muffins
300 g flour
150 g sugar
250 ml milk
100 g butter
2 eggs

Sarah makes 60 muffins.

(a) Work out how much sugar she uses.

..... g
(2)

James makes some muffins.
He uses 625 ml of milk.

(b) How many muffins did he make?

.....
(2)

(Total for Question 8 is 4 marks)

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- 9 There were 2.1 million people living in Dubai in 2013
1.75 million of these people were not born in Dubai.

- (a) Work out 1.75 as a percentage of 2.1
Give your answer correct to 1 decimal place.

..... %
(2)

The unit of currency in Dubai is the dirham.
The exchange rate is £1 = 5.52 dirham.

The cost of a pair of running shoes in Dubai is 343 dirham.
The cost of an identical pair of running shoes in the UK is £54.99

The pair of running shoes is more expensive in Dubai than in the UK.

- (b) How much more expensive?
Give your answer to the nearest dirham.

..... dirham
(3)

A plane flies a distance of 5522 km from London to Abu Dhabi in 7 hours 24 minutes.

- (c) Work out the average speed of the plane.
Give your answer in kilometres per hour, correct to 3 significant figures.

..... kilometres per hour
(3)

(Total for Question 9 is 8 marks)