



Centre Name

Signature

Surname

Forename

Date of Assessment

Date of Birth

Assessor use only

Total Marks	
Pass Mark	35
Pass / Did not achieve	

## Ascentis Maths (QCF)

### Mathematical Skills – Understanding and Using Percentages Level 1 Assessment Paper Guide time: 1 hour

#### You must have:

- A pen – black or blue ink
- A calculator – question 6 only

**SAMPLE PAPER**

#### Instructions

- Do not open this paper until you are told to do so
- Answer all questions in the spaces provided
- Show all your workings
- Cross through any work you do not want to be assessed
- If you need more space to complete your answer to any question, use additional sheets of paper, write your name on each sheet and attach them to this assessment paper
- Answer all questions

#### Information

- There are 6 tasks to be answered, carrying a total of 44 marks for the paper

#### Guidance

- You are advised to work through the paper steadily, dividing your time between the tasks
- Pay attention to the marks available for each question

Assessor name and signature:

IV name and signature:

Date:

Date:

1 Write down the following using numbers and the percentage symbol.

(3 marks)

a Thirty five percent .....

b Twenty four percent .....

c Eighteen percent .....

2 Write down the following using words.

(3 marks)

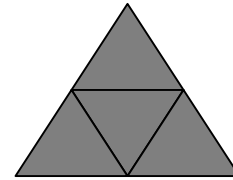
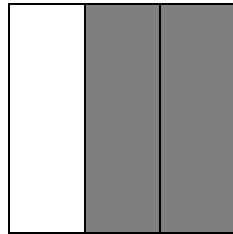
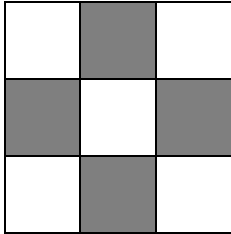
a 29% .....

b 87% .....

c 33% .....

3 a Tick under any of the shapes below which are 100% shaded.

(3 marks)



John makes £58 on his book stall.

John says 100% of the money will go to charity.

b How much will go to charity?

(1 mark)

.....

.....

c If John gives one penny from each pound to charity what percentage would he give to charity?

(2 marks)

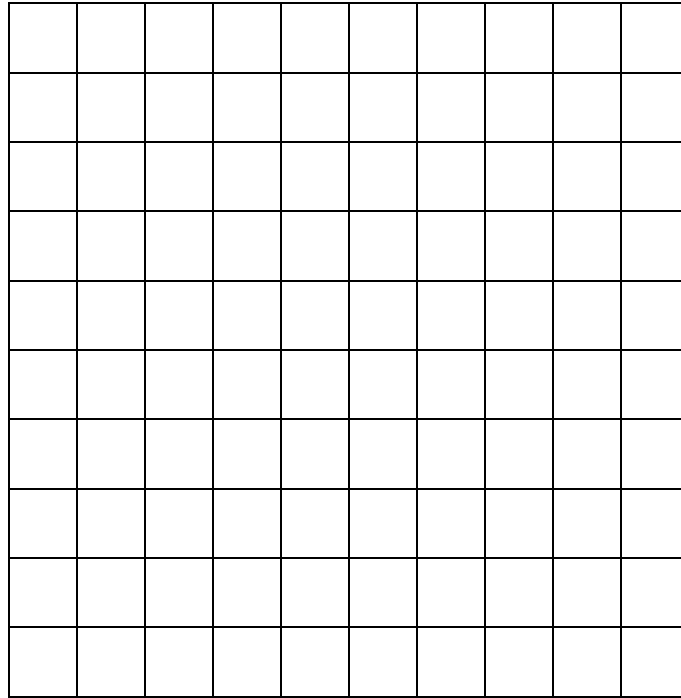
.....

.....

.....

d Shade in 1% of the grid below.

(1 mark)



Explain why your shaded area represents 1%.

(1 mark)

.....

.....

.....

**BLANK PAGE**  
**Please turn over for next question**

Sam earns £870 each month.

The table below shows the percentage of this money which she spends on charity, bills, entertainment, food and rent.

Category	Percentage of Sam's monthly income
Charity	1%
Bills	10%
Entertainment	5%
Food	20%
Rent	50%

4 a How much does Sam give to charity each month? (2 marks)

Show clearly how you worked this out.

.....

.....

.....

b How much does Sam spend on bills each month? (2 marks)

Show clearly how you worked this out.

.....

.....

.....

c Show how much Sam spends on entertainment and on food by using two **different** methods.

(4 marks)

.....

.....

.....

.....

Money spent on entertainment .....

Money spent on food .....

d By using your previous answers, calculate the amount Sam spends on rent.

(3 marks)

Show clearly how you worked this out.

.....

.....

.....

.....

e What percentage of Sam's monthly income is left over?

(3 marks)

.....

.....

.....

.....

Tom works in a large shoe shop.

The shop takes £2350 in one day.

Tom says that 45% of this money came from selling children's shoes.

5 a How much money was taken from selling children's shoes that day?  
(3 marks)

.....  
.....  
.....  
.....



The shop manager wants to increase the takings by 15%.

b How much money will the shop need to take in one day to meet this target?  
(3 marks)

.....  
.....  
.....  
.....



The manager decides to have a shoe sale.

Pair A	Pair B
 <p data-bbox="502 705 734 779">Usual price £45 Now 25% off</p>	 <p data-bbox="1101 705 1332 779">Usual price £38 Now 15% off</p>

c Which pair of shoes will be cheaper in the sale, and by how much?  
(6 marks)

Show all your working clearly.

.....

.....

.....

.....

.....

.....

.....

**Ask your tutor for a calculator for the next question**



Alice and Jas are buying a house.

The house costs £235,999.

They need to pay a 10% deposit.

6 a How much will they need to pay as a deposit?

(2 marks)

Use the percentage button on your calculator to work out your answer.

.....  
.....  
.....

Alice and Jas are borrowing 67% of the price of their new house.

b How much money are they borrowing?

(2 marks)

Use the percentage button on your calculator to work out your answer.

.....  
.....  
.....

**END OF ASSESSMENT**

Total  
marks

.....



Ofqual Accreditation Number:

Mathematical Skills – Understanding and Using Percentages – 600/7791/8  
Award in Mathematical Skills – 601/3828/2  
Extended Award in Mathematical Skills – 601/3831/2  
Certificate in Mathematical Skills – 600/7916/2