

Name: \_\_\_\_\_

## GCSE (1 – 9)

# Fractions of an Amount

### Instructions

- Use **black** ink or ball-point pen.
- Answer all Questions.
- Answer the Questions in the spaces provided  
– *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**

### Information

- The marks for each Question are shown in brackets  
– *use this as a guide as to how much time to spend on each Question.*

### Advice

- Read each Question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every Question.
- Check your answers if you have time at the end

1 Find  $\frac{1}{6}$  of 420

.....  
(Total for question 1 is 1 mark)

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2 Find  $\frac{1}{4}$  of 44

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

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3 Find  $\frac{1}{8}$  of 72

.....  
(Total for question 3 is 1 mark)

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4 Find  $\frac{1}{5}$  of 60

.....  
(Total for question 4 is 1 mark)

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5 Find  $\frac{1}{3}$  of 48

.....  
(Total for question 5 is 1 mark)

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6 Work out  $\frac{3}{4}$  of 180

.....  
(Total for question 6 is 2 marks)

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7 Work out  $\frac{2}{5}$  of 140

.....  
(Total for question 7 is 2 marks)

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8 Find  $\frac{2}{3}$  of 240

.....  
(Total for question 8 is 2 marks)

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9 Find  $\frac{5}{6}$  of 72

.....  
(Total for question 9 is 2 marks)

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10 Work out  $\frac{3}{7}$  of 56

.....  
(Total for question 10 is 2 marks)

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**11** Holly is thinking of a number.

$\frac{3}{4}$  of Holly's number is 39.

Work out the number Holly is thinking of.

.....  
**(Total for question 11 is 2 marks)**

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**12**  $\frac{2}{5}$  of number **n** is 18.

Find the value of **n**.

.....  
**(Total for question 12 is 2 marks)**

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**13**  $\frac{5}{6}$  of number is 30.

Find the number.

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

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14 Work out the difference between 25 and  $\frac{2}{9}$  of 81

.....  
(Total for question 14 is 3 marks)

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15 Work out the difference between  $\frac{3}{8}$  of 32 and  $\frac{2}{5}$  of 40

.....  
(Total for question 15 is 3 marks)

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16 Work out the difference between 20% of 90 and  $\frac{3}{7}$  of 49

.....  
(Total for question 16 is 3 marks)

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17 There are 924 people in a theatre.

383 of the people are men.

356 of the people are women.

$\frac{2}{5}$  of the children are boys.

Work out how many girls are in the theatre.

.....  
**(Total for question 17 is 3 marks)**

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18 The normal price of a computer game is £40

The price is reduced by  $\frac{1}{5}$  in a sale.

Work out the price of the computer game in the sale.

£.....  
**(Total for question 18 is 2 marks)**

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**19** There are 1100 students at a school.

540 students are girls, the rest are boys.

$\frac{1}{10}$  of the girls are left handed.

$\frac{1}{8}$  of the boys are left handed.

Work out the number of left handed students in the school.

.....  
**(Total for question 19 is 3 marks)**

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**20** Harry has 50 sweets.

He gives  $\frac{2}{5}$  of the sweets to Sandra.

He gives  $\frac{3}{10}$  of the sweets to Jamie.

Harry keeps the rest of the sweets for himself.

Work out how many sweets Harry keeps.

.....  
**(Total for question 20 is 3 marks)**

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**21** The normal price of a train ticket from Ashford to London is £34.20

Ross gets  $\frac{1}{3}$  off the price of his train ticket

Work out how much Ross pays for his ticket.

£.....

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**(Total for question 21 is 2 marks)**

**22** Stan has an income of £2000 a month.

He spends  $\frac{2}{5}$  of his income on rent.

He spends  $\frac{3}{20}$  of his income on bills.

He spends  $\frac{1}{10}$  of his income on food.

Stan saves the rest of his income.

Work out how much Stan saves each month.

£.....

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**(Total for question 22 is 3 marks)**