# Quick paper C12

Paper 3 style · Calculator · Foundation

**18** marks
about 15–20 minutes

| Name | Date | Score / 18 |
|---|---|---|
| | | |

**Answer ALL questions.** Write your answers in the spaces provided. You must write down all the stages in your working. You may use a calculator. Diagrams are **NOT** accurately drawn unless it says so.

**Help on the longer questions**

**Underlined words** tell you what the question wants.

**Remember** reminds you of a fact you need.

**1** **Write down** two factors of 18

**(1)**

**(Total for Question 1 is 1 mark)**

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**2** **Find** $\frac{2}{5}$ of 30

.....

**(1)**

**(Total for Question 2 is 1 mark)**

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**3** **Write** 0.9 as a fraction.

.....

**(1)**

**(Total for Question 3 is 1 mark)**

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**4** Here is a list of numbers.

9 14 21 25 28 34

**Write down** the number from the list that is a multiple of 7 and a multiple of 4

.....

**(1)**

**(Total for Question 4 is 1 mark)**

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**5** **Change** 6 kilometres into metres.

..... metres

**(1)**

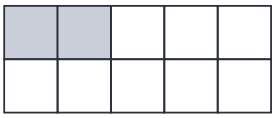
**(Total for Question 5 is 1 mark)**

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**Turn over ►**

**6** Here is a grid of squares.



**Write down** the ratio of the number of shaded squares to the number of unshaded squares.

.....

**(1)**

**(Total for Question 6 is 1 mark)**

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**7** $w = 5u - 2$

**Find** the value of $w$ when $u = 6$

$w =$ .....

**(2)**

**(Total for Question 7 is 2 marks)**

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**8** Here are the first five terms of a sequence.

2 5 9 14 20

**Write down** the next two terms of the sequence.

**(2)**

**(Total for Question 8 is 2 marks)**

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**9** Mr Shah asked each child in his class which pet they liked best.
Here are his results.

| | | | | | |
|---|---|---|---|---|---|
| dog | cat | fish | dog | rabbit | cat |
| dog | cat | dog | fish | cat | dog |
| rabbit | dog | cat | dog | fish | dog |

**Remember** Check the scale on the axis: what does one square stand for? Label bars and use a ruler.

**(a)** **Complete** the frequency table for this information.

| Pet | Tally | Frequency |
|---|---|---|
| dog | | |
| cat | | |
| rabbit | | |
| fish | | |

**(2)**

**(b)** **Write down** the most popular pet.

.....

**(1)**

**(Total for Question 9 is 3 marks)**

**10** Ali buys 14 phone cases for £6.50 each.
He pays with five £20 notes.

> **Remember** Change = money paid − total cost. Add up all the costs first.

**(a)** How much change should Ali get?

£ .....

**(3)**

**(b)** The normal price of a watch is £80
In a sale, there is $\frac{1}{4}$ off the normal price of the watch.
**Work out** the price of the watch in the sale.

£ .....

**(2)**

**(Total for Question 10 is 5 marks)**

**TOTAL FOR PAPER IS 18 MARKS**

# C12 mark scheme

| Q | | Answer | Mark | Notes |
|---|---|---|---|---|
| 1 | | Any two of 1, 2, 3, 6, 9, 18 | B1 | |
| 2 | | 12 | B1 | |
| 3 | | $\frac{9}{10}$ | B1 | |
| 4 | | 28 | B1 | |
| 5 | | 6000 | B1 | |
| 6 | | 2 : 8 or 1 : 4 | B1 | |
| 7 | | 28 | M1<br>A1 | M1 for 5 × 6 − 2<br>A1 cao |
| 8 | | 27, 35 | B1<br>B1 | B1 for 27<br>B1 for 35 |
| 9 | (a) | dog 8, cat 5, rabbit 2, fish 3 | B2 | B2 all correct (B1 for 2 or 3 correct) |
| | (b) | dog | B1 | B1 ft |
| 10 | (a) | 9 | M1<br>M1<br>A1 | M1 for 14 × 6.50 (= 91)<br>M1 for 100 − 91<br>A1 cao |
| | (b) | 60 | M1<br>A1 | M1 for $\frac{1}{4}$ × 80 (= 20)<br>A1 cao |

**B1** = mark for a correct answer · **M1** = method mark · **A1** = accurate answer after M1 · **C1** = reason · **cao** = correct answer only

**Score ____ / 18**



**Write your score on the front page**