

For questions 1 to 4, choose the correct answer from the options A to E.

1

A function machine divides a number by 13 and then subtracts 7.



What is the output when the input is 156?

- A 4 B 5 C 12 D 19 E 145

2

Charlie gets £12 a week and donates three fifths of it to charity. Pat gets £15 a week and donates three quarters of his to charity.

What is the total amount they donate to charity?

- A £11.25 B £16.20 C £18.45 D £20.25 E £27.00

3

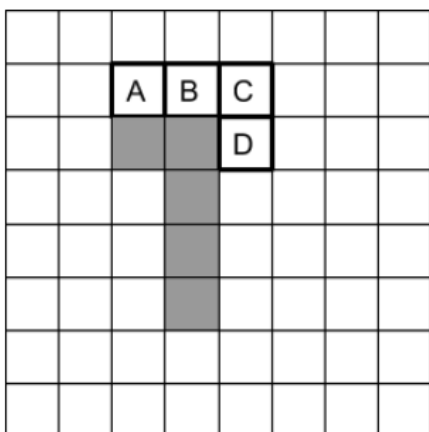
The temperature of a freezer is -12°C . It is switched off, and four hours later the temperature has risen by 26°C .

What is the temperature of the freezer four hours after it is switched off?

- A -38°C B -14°C C 12°C D 14°C E 38°C

4

The shaded squares make up part of the net of a cube. One square of the net is missing. Four unshaded squares are labelled A, B, C and D.



Which of the unshaded squares should be shaded to complete the net?

A A

B B

C C

D D

For question 5, write your answer in the space provided.

5

A packet contains 7 pens. A box holds 12 packets of pens. A crate holds 15 boxes.

How many pens are there in a crate?

_____ pens

In this exercise there are some mistakes with **punctuation** or use of **capital letters**.
Read each sentence, then look at the parts labelled **A, B, C and D**. Circle the letter of the part that has the mistake. If there is no mistake, circle **N**.

Punctuation Exercise

1

On a bright Saturday morning the children from belfast packed their warm coats and set off for the coast.

A On a bright Saturday morning **B** the children from belfast
C packed their warm coats **D** and set off for the coast. **N** No mistake

2

The grocer sold apples oranges and pears at the market stall to the shoppers waiting there.

A The grocer sold **B** apples oranges and pears **C** at the market stall
D to the shoppers waiting there. **N** No mistake

3

After the long journey home, the tired travellers unpacked their heavy suitcases and fell fast asleep.

A After the long journey home, **B** the tired travellers
C unpacked their heavy suitcases **D** and fell fast asleep. **N** No mistake

4

The excited pupils cheered loudly as the winning runner crossed the line to lift the teachers silver cup.

A The excited pupils cheered loudly **B** as the winning runner
C crossed the line to lift **D** the teachers silver cup. **N** No mistake

5

The librarian leaned over and asked, "Have you returned your library book yet" before stamping the card.

A The librarian leaned over and asked, **B** "Have you returned
C your library book yet" **D** before stamping the card. **N** No mistake

Answers

Maths

1. B ($156 \div 13 = 12$, then $-7 = 5$)
2. C ($\pounds 7.20 + \pounds 11.25 = \pounds 18.45$)
3. D ($-12 + 26 = 14$ °C)
4. D (completes the cube net)
5. 1,260 pens ($7 \times 12 \times 15$)

Punctuation

1. B ('belfast' should be 'Belfast' — capital letter)
2. B (missing commas: apples, oranges and pears)
3. N (no mistake)
4. D ('teachers' should be 'teacher's')
5. C (missing ? inside the speech marks: yet?"")