

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

$$\begin{array}{r} 012 \\ 13 \overline{)156} \end{array}$$

$$12 - 7 = 5$$

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

$$\begin{array}{r} 11.25 \\ + 7.20 \\ \hline \end{array}$$

$$\begin{array}{r} \times 3 \\ \div 5 \text{ of } 12 = \\ 02.40 \\ 5 \overline{)12.00} \end{array}$$

$$\begin{array}{r} \times 3 \\ \div 4 \text{ of } 15 \\ 03.75 \\ 4 \overline{)15.00} \end{array}$$

3

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

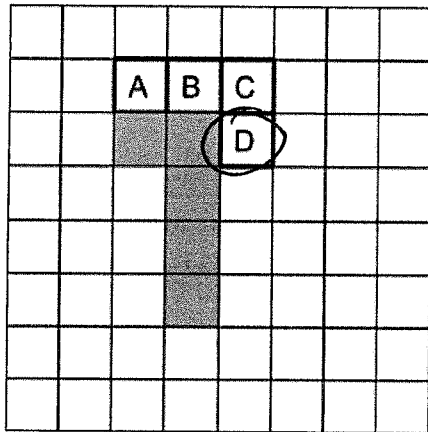
What is the temperature of the freezer four hours after it is switched off?

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

$$\begin{array}{r} -12 \\ +12 \\ \hline 0 \\ +14 \\ \hline 14 \end{array}$$

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?

1260 pens

$$\begin{array}{r} 12 \\ \times 7 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 2 \\ \boxed{84} \\ \times 15 \\ \hline 420 \\ 840 \\ \hline 1260 \end{array}$$

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. N

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