

1

Carter brought 15 sweets to school. At break time he wins 12 sweets in a game. At lunchtime he loses 18 sweets. At the end of the school day Carter manages to win back 17 sweets.

How many sweets does Carter have now?

- A 44    B 26    C 8    D 4    E 30

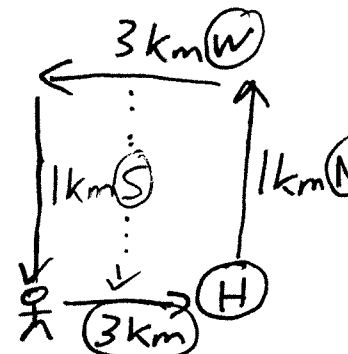
$$\begin{array}{r}
 15 + 12 = 27 \\
 - 18 \\
 \hline
 09 \\
 + 17 \\
 \hline
 26
 \end{array}$$

2

A person leaves their house and walks 1 km north. They then walk 3 km west and then 1 km south.

How far is the person from their house?

- A 3km    B 5km    C 1km    D 2km    E 3.16km



3

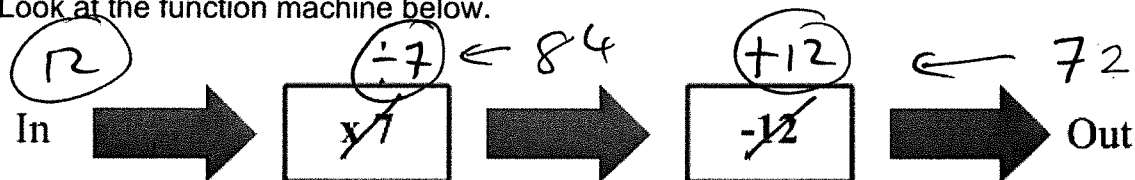
What number is exactly halfway between 123 and 357?

- A 234    B 117    C 255    D 300    E 240

$$\begin{array}{r}
 357 \\
 + 123 \\
 \hline
 2480 \\
 \hline
 240
 \end{array}$$

4

Look at the function machine below.



What number would have to go into the function machine for the answer 72 to come out?

A 10

B 420

C 2

D 12

E 14

$$7 \overline{) 84} \begin{array}{r} 12 \\ \underline{7} \\ 14 \\ \underline{14} \\ 0 \end{array}$$

$$\begin{array}{r} 72 \\ + 12 \\ \hline 84 \end{array}$$

For question 5, you have to write your answers in the table below.

5

The table below shows the temperature in Belfast at different times of the day. There are 3 temperatures missing from the table below.

You are given the following information.

- The temperature increased by  $2^{\circ}\text{C}$  between 6am and 9am.  $-6 + 2$
- The temperature increased by  $9^{\circ}\text{C}$  between 9am and 12 noon.  $-4 + 9$
- The temperature decreased by  $4^{\circ}\text{C}$  between 3pm and 8pm.  $16 - 4 = 12$

Use the information above to complete the table above.

$$\begin{array}{r} +4 \quad +5 \\ -4 \quad 0 \quad 5 \end{array}$$

Time	6 am	9 am	12 noon	3 pm	8 pm
Temperature in $^{\circ}\text{C}$	-6	-4	5	16	12

Read the **whole** passage carefully, then answer the questions that follow.

### Getting the Perfect Shot

1. The Stirling family was growing more and more restless as the time passed by. Mr.
2. and Mrs. Stirling had wanted a simple photo taken for their family's summer
3. newsletter. Ms. Burke, the photographer, was looking carefully through her camera
4. but wasn't taking any pictures. "There isn't enough light on Mr. Stirling's moustache,"
5. she said to Sophie, her assistant.
  
6. Sophie sighed and nodded her head, moved the lamp an inch to the left, and
7. glanced at the family. The couple's two sons were starting to fidget. Sophie knew
8. that they would soon start to complain. It was time to take the picture.
  
9. "Now Mrs. Stirling's hair looks too frizzy," Ms. Burke proclaimed. "Sophie, please get
10. the styling products." When Sophie returned, she noticed that the boys were giggling
11. and poking each other. Their parents' smiles were drooping under the hot lights.
12. "Oh, now the boys are standing at the wrong angle!" Ms. Burke announced.
  
13. Mr. Stirling's face turned red. His wife looked like she was about to cry. Sophie
14. quickly stepped up to the camera and snapped the picture. "All done!" she said.
15. Everyone looked relieved, except for Ms. Burke.

1

**What is the main problem in the story?**

- A The Stirlings want a family photo.
- B The boys are restless.
- C The assistant is not helpful enough.
- D The photographer is too fussy.
- E The room is too dark.

2

**What do Sophie and the Stirlings have in common?**

- A They dislike family pictures.
- B They want the photo to be taken soon.
- C They write summer newsletters.
- D They have brought styling products.
- E They want new camera equipment.

3 Which is not an effect of Ms. Burke's behaviour?

- A Mrs. Stirling looks like she is going to cry.
- B Sophie steps in to take the photo.
- C Mr. Stirling is having a good time.
- D The boys begin to fidget.
- E The parents' smiles droop.

4 What do you predict will happen next?

- A Mr. Stirling will thank Ms. Burke.
- B Ms. Burke will say something to Sophie.
- C Mrs. Stirling will comb the boys' hair.
- D Sophie will take more photos.
- E The family will decide not to use the picture.

5 Why does Sophie decide to take the picture herself?

- A She wants to show she is better than Ms. Burke.
- B She realises the family can't wait any longer.
- C She enjoys taking photos more than assisting.
- D She wants to fix the lighting first.
- E She thinks the boys need another pose.