

Work out the mean of the following sets of numbers.

- 1. 4, 3, 7, 8, 8      Answer: 6
- 2. 8, 12, 8, 7, 10      Answer: 9
- 3. 5, 9, 7, 6, 4, 17      Answer: 8
- 4. 9, 8, 10, 12, 9, 12      Answer: 10
- 5. 10, 8, 11, 11, 2, 4, 12, 6      Answer: 8

6. Rajeev sprints for 80 m five times. The times taken to sprint each 80 m are shown below.
- 14 s   12 s   15 s   17 s   12 s
- What is his mean time?      Answer: 14 s

7. In a cricket match, the players in Jo’s team scored the following numbers of runs.
- 2   3   9   10   12   3   5   7   19   20   31
- What is the mean score?      Answer: 11

8. The amount of rainfall measured in Showerham on four separate days is shown below.
- 9 mm   12 mm   14 mm   13 mm
- What is the mean rainfall?      Answer: 12 mm

9. Katie and Vikram are competing in a darts competition. Their scores after 3 darts are written on the scoreboard.
- What is the mean score with the six darts?
- Answer: 21

Scoreboard			
Dart	1	2	3
Katie:	30	6	9
Vikram:	10	11	60

10. Which of these groups of five numbers has a mean of 10?  
 Circle the correct answer.
- A 12, 14, 13, 11, 12      C 8, 27, 19, 17, 4      **E 16, 4, 9, 7, 14**
- B 32, 20, 24, 29, 34      D 13, 9, 11, 5, 17

Term 6 Session 1

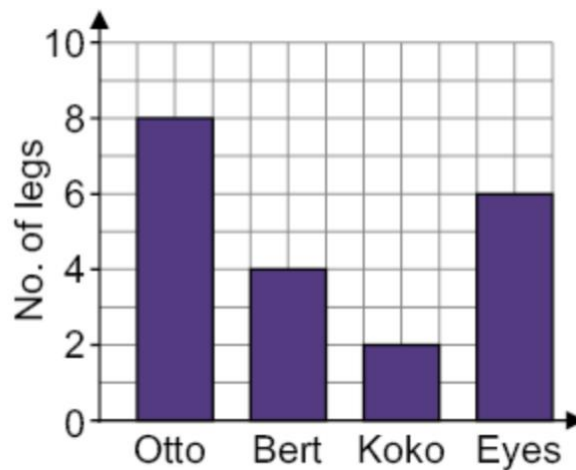
The price per night of three different rooms that a hotel offers are shown in the table below.

Room	Price
Sea view	£130
Mountain view	£90
Pool view	£80

What is the mean price of a room per night?

- a) £110
- b) £95
- c) £105
- d) £90
- e) £100

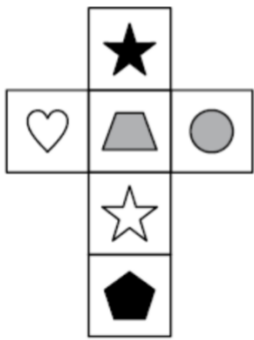
Lucy counts the numbers of legs on four of her stuffed toys. She displays her results in this graph.



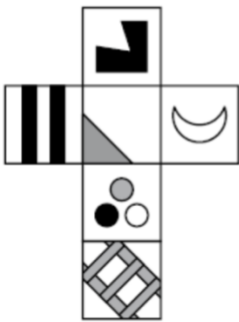
What is the mean number of legs on her stuffed toys?

- a) 6
- b) 5
- c) 3
- d) 4
- e) 7

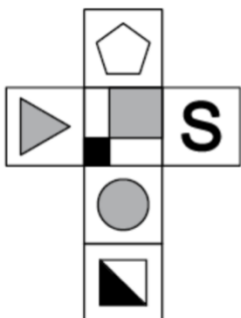
**Spatial – Nets of Cubes**



- a)
- b)
- c)**
- d)
- e)

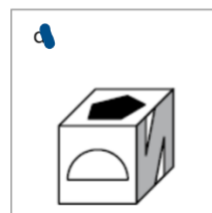
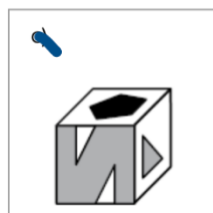
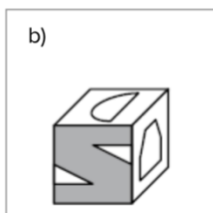
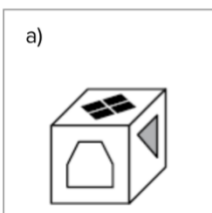
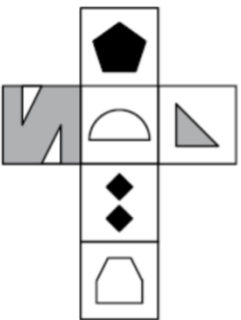
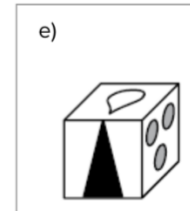
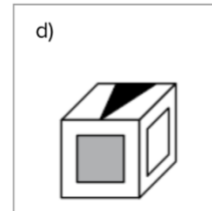
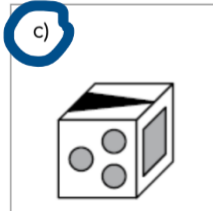
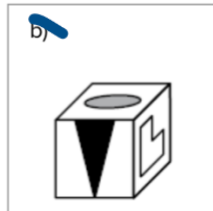
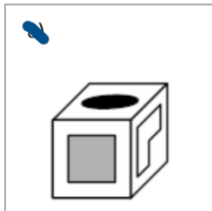
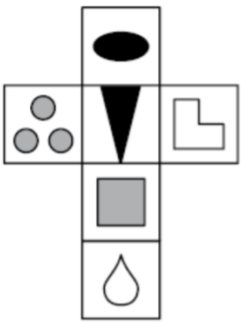
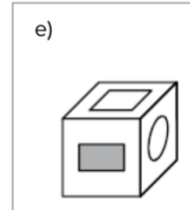
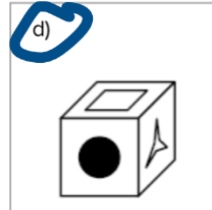
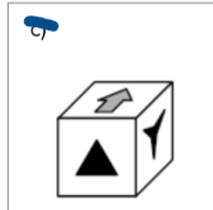
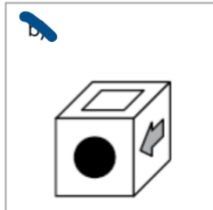
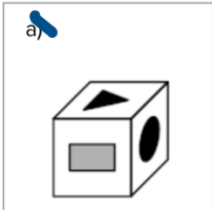
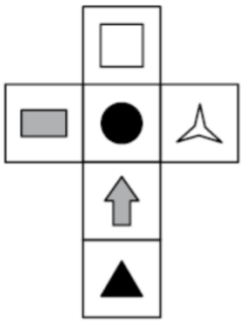


- a)
- b)
- c)
- d)
- e)**

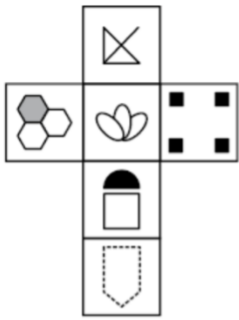


- a)
- b)
- c)**
- d)
- e)

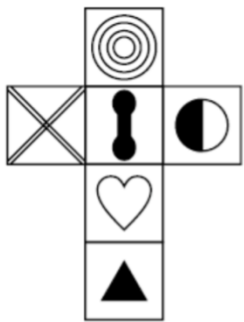
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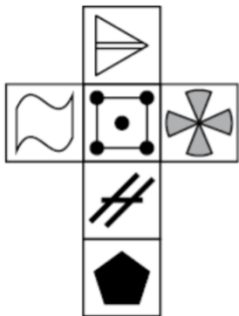
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- a)
- b)
- c)**
- d)
- e)



- a)
- b)
- c)
- d)
- e)**



- a)
- b)**
- c)
- d)
- e)

**Punctuation Spotting**

1. We searched everywhere for the quickest prettiest car for all you enthusiasts out there –  
A B C D N
2. and we think wev'e found it. This car actually has a secret weapon.  
A B C D N
3. We know it's hard to believe, but the secret is its shape it has a spoiler for increased  
A B C D N
4. downforce)! Give it a drive and we guarantee you won't be  
A B C D N
5. disappointed. To drive it safely, put on your seatbelt and check your mirrors then  
A B C D N
6. complete, all of your additional safety checks. It's important not to rush these.  
A B C D N

Term 6 Session 1

In these exercises there are some **punctuation** mistakes. On each numbered line will either be **one** mistake or **no mistakes**. Find the group of words with the mistake in it and mark its letter on your answer sheet. **If there is not a mistake, mark N.**

*Tommy had gone exploring late at night on a full moon. The night was not going as planned.*

1. It was a cold, dark night in hadlow Forest, and Tommy wished  
A B C D N
2. he had followed his mothers advice by bringing a light. He wouldn't  
A B C D N
3. tell her that, though. She would only say 'you should've listened to me!'  
A B C D N
4. There was some light from a distant, house but not enough to see clearly. All of a  
A B C D N
5. sudden a sound shattered the stillness, as a cascade of small stones showered down onto  
A B C D N
6. the rocks beneath Tommy stood stock still for a moment, frightened into paralysis.  
A B C D N

**English**

**Spot spelling mistakes (12)**

Last week, I took part in a grammer and spelling competition at my local libry. You needed to posess very special skills to be crowned 'English Expert of the Sentury'. Even thogh spelling is a big strenth of mine (as you already know!), going into the final round I was in eigth posision out of a groop of ten contestants. My hart was pounding and I was could barely breethe as I read out my final sentance. Unfortunately, I only won a bronze medal. Maybe I'll do better next year.

**An extract from 'Fly Me Home'**

Suddenly, their front door flew open and a group of boys spilled out, chasing a football between them. They ran across the pavement and into the road.

They all looked alike, their skin golden brown, their hair tousled and dark. They moved together, like a pack: a single creature with multiple skinny legs and arms.

5 Just then a car came speeding round the corner towards them. I heard Tiber suck his teeth as it careened down the road, tyres screeching, engine roaring.

All but one of the boys dashed back onto the pavement as it charged towards them. All but the smallest, who chased after the football, which had rolled out into the middle of the road.

10 "Hey! Betsy!" one of the boys shouted out. "Leave it! Get out of the road!"

The smallest boy, I realized, was not a boy at all.

She leaned back, glanced towards the pavement, a laughing look on her face, and then, about as fast as I had seen anyone move, sprinted towards the ball, which had dribbled its way into the path of the car.

15 She caught up with it before the car met her. Then, in what looked like one movement, neatly hooked her foot around the ball, stopping it in its tracks, and kicked it forcefully back towards us.

The car rushed past in a blur, obliterating the girl from view.

"Betsy!" another of the boys shouted, his voice panicked.

20 "What's the problem?" she said, stepping out from the other side of the road, arms and eyebrows raised quizzically.

The boys grumbled in a language I did not understand.

"Come on, let's play," said Betsy.

25 There was more grumbling, but the ball was dropped on the ground again and the boys chased it down, moving as one, each face indistinguishable from the others.

1. Which of the following is not mentioned in the description of the boys?

- A The colour of their hair
- B How many boys there are
- C What their legs look like
- D How similar they look to one another
- E How they move

2. The car "careened down the road" (line 6). This tells us that the car:

- A travelled straight down the road.
- B drove down the road slowly.
- C seemed to be out of control.
- D went down the road loudly.
- E broke down as it went along the road.

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3. What makes the narrator realise that one of the boys is a girl?
- A The girl runs faster than the boys.
  - B The narrator gets a clear view of the girl's face.
  - C The narrator hears one of the boys call her by a girl's name.
  - D The narrator can tell she's a girl from her voice.
  - E The girl is much smaller than the boys.
4. Before the girl runs after the ball, she has "a laughing look on her face" (line 12). This suggests that:
- A she was enjoying the idea of taking a risk.
  - B she was laughing at something one of the boys said.
  - C something the boys did made her smile.
  - D she really wanted to play more football.
  - E she was happy because she knew she'd reach the ball first.
5. Which of the following about Betsy is true?
- A She is a slow runner.
  - B She accidentally kicked the ball into the road.
  - C She made the car stop so she could get the ball.
  - D She kicked the ball away from the boys after retrieving it from the road.
  - E She is good at football.
6. Which of the following adjectives best describes Betsy's reaction to the boys' panic?
- A Unconcerned
  - B Disappointed
  - C Furious
  - D Grateful
  - E Sympathetic
7. What is the most likely reason why the boys grumbled at Betsy?
- A She wants to play a game that they don't like.
  - B She doesn't seem to care that she was in danger.
  - C She can kick the football harder than them.
  - D She kicked the ball too far away from them.
  - E She always talks loudly over them.
8. Which of the following doesn't happen after the boys learn Betsy is okay?
- A Betsy suggests they continue playing football.
  - B The boys grumble some more.
  - C The football ends up on the floor.
  - D The boys chase after Betsy.
  - E The boys run to get the ball.

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9. What does the word "tousled" mean (line 3)?

- A Knotty
- B Gleaming
- C Untidy**
- D Tied up
- E Abnormal

10. Which of the following is closest in meaning to "indistinguishable from" (line 25)?

- A As plain as
- B As certain as
- C Invisible to
- D As pale as
- E Identical to**

11. "Suddenly, their front door flew open and a group of boys spilled out" (line 1).  
Which of these words is an adverb?


- A Suddenly**
- B their
- C door
- D flew
- E spilled


12. "They ran across the pavement and into the road" (line 2).  
What type of word is "They"?

- A Preposition
- B Conjunction
- C Pronoun**
- D Adjective
- E Abstract noun

**Non-Verbal Recap**

**Odd One Out**

1.   
a                      b                      c                      d                      e

2.   
a                      b                      c                      d                      e

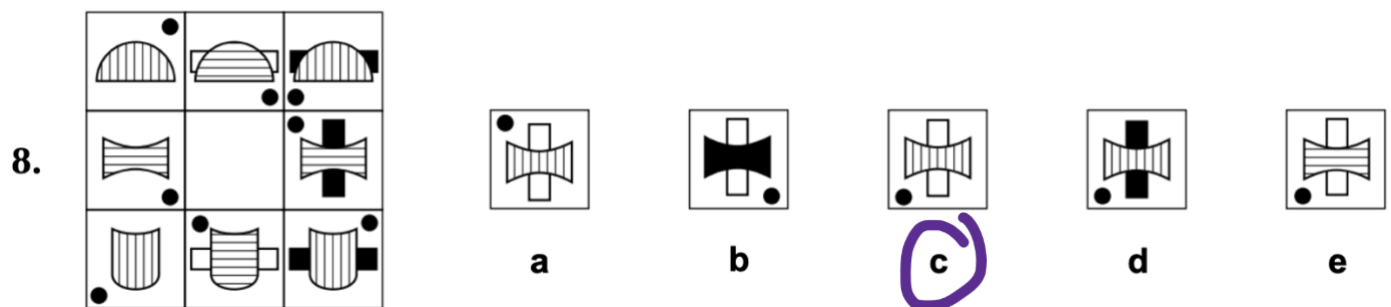
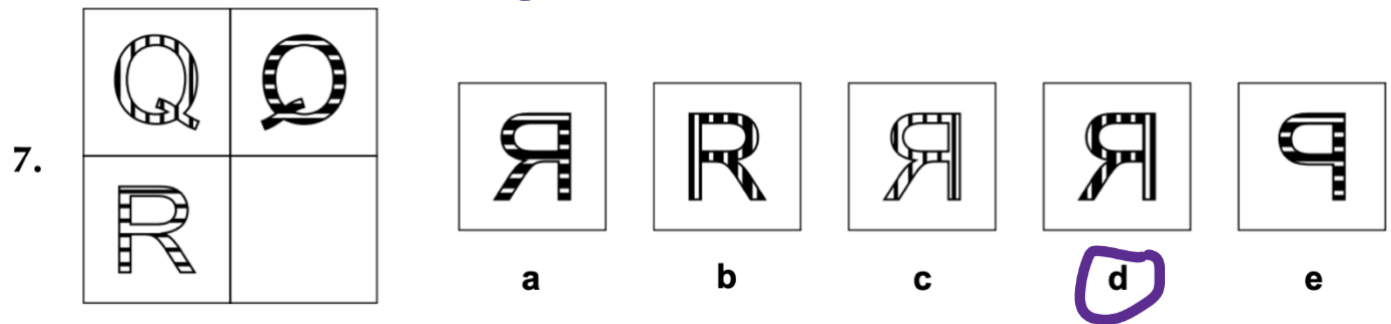
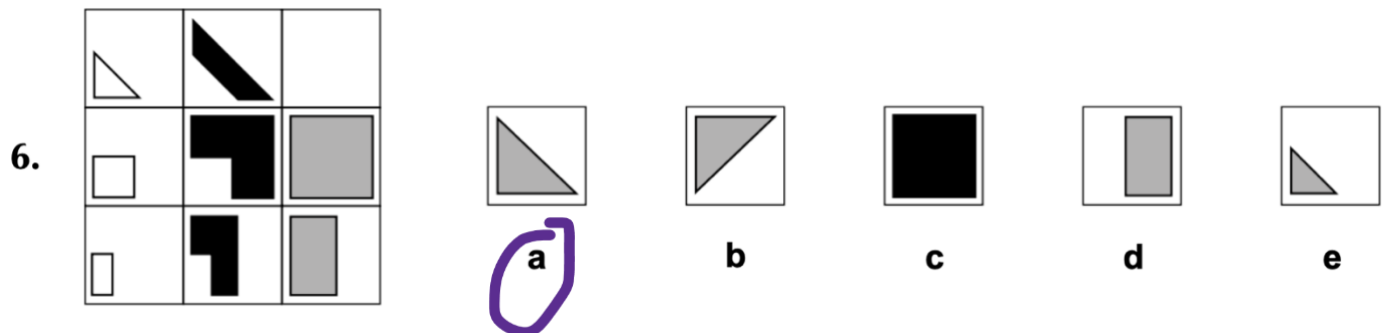
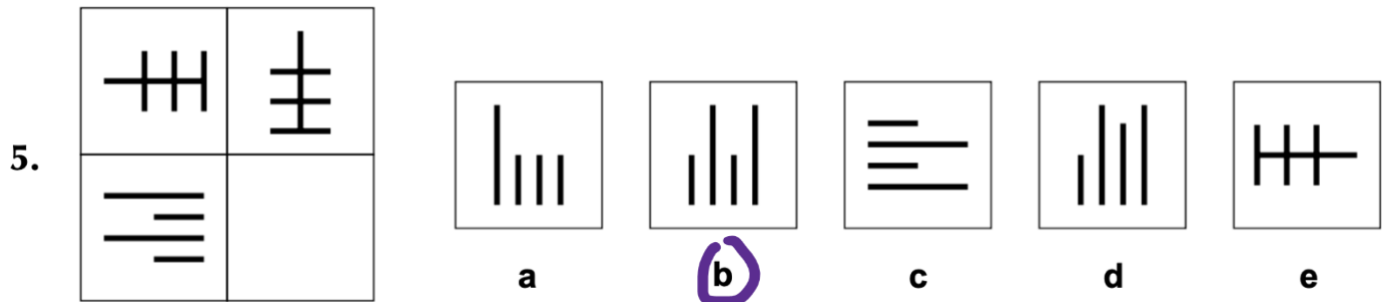
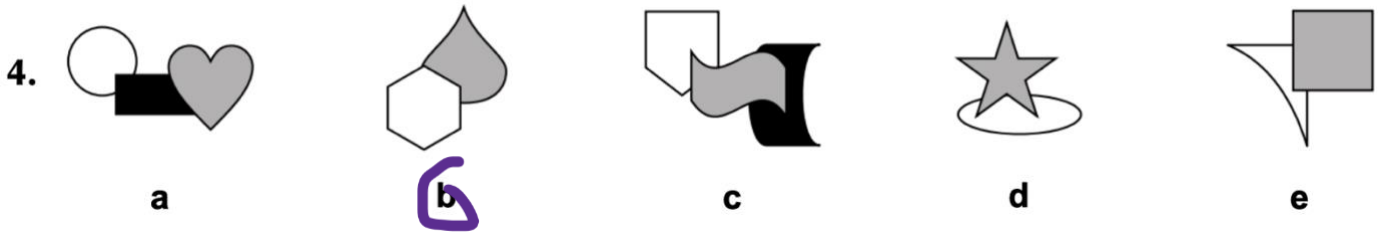
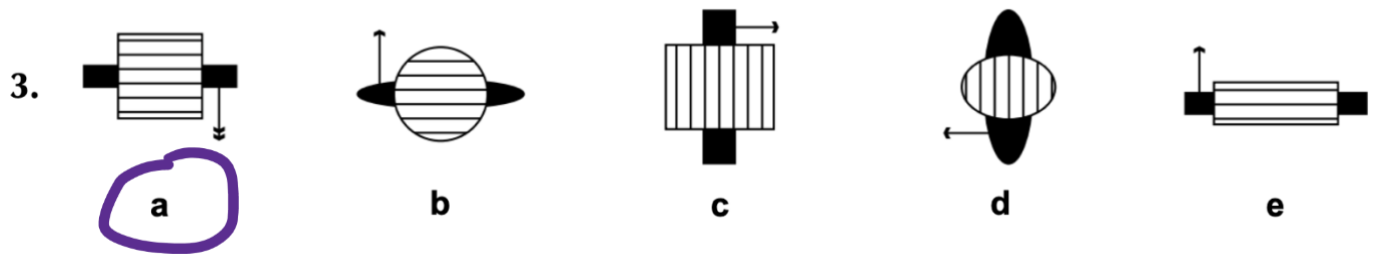






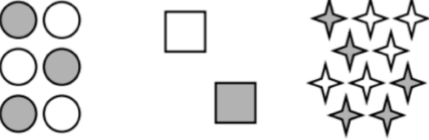












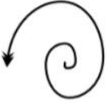
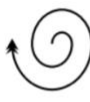








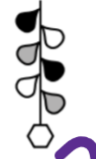


Figure Like the first two

9.  |     

10.  |     

11.  |     

12.  |     

13.  |     

Verbal Reasoning Recap

Remove one letter from the first word and add it to the second word to make two new words. Do not change the order of the other letters. Write the letter that moves on the line.

**Example:** claw age (   c   ) (The new words are **law** and **cage**.)

1. crave lane (   c   )
2. zone lay (   z   )
3. paint seal (   t   )
4. world idea (   l   )

Underline two words, one from each set of brackets, that have the most opposite meaning.

**Example:** (eager happy curious) (tired sad unwell)

5. (flexible might weak) (broken thin brittle)
6. (string rope bind) (wrap untie knot)
7. (disappoint upset appal) (surprise baffle impress)
8. (groom shabby dapper) (smart simple effective)

Each question uses a different code. Use the alphabet to help you work out the answer to each question. Write your answer on the line.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

**Example:** If the code for **MANY** is **LZMX**, what is the code for **GREY**? ( FQDX )

13. If the code for **DRUM** is **WIFN**, what is the code for **CALM**? ( XZQN )
14. If the code for **BEAT** is **DJCY**, what is **JTQP** the code for? ( HOOK )
15. If the code for **MOURN** is **PRXUQ**, what is the code for **FAITH**? ( IDLWK )
16. If the code for **HEAR** is **LHEU**, what is **WRYU** the code for? ( SOVR )

Find the missing number to complete each sum. Write your answer on the line.

**Example:**  $7 + 5 = 24 \div ( \underline{2} )$

9.  $6 \times 7 = ( \underline{42} )$
10.  $19 + 9 = 4 \times ( \underline{7} )$
11.  $14 + 8 - 19 = ( \underline{3} )$
12.  $25 \div 5 + 11 = 13 + ( \underline{3} )$

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1. One cookie at a bakery costs £1.13. Tim orders 100 cookies. What is the total cost of Tim's cookie order? Circle the correct option.

A £11.30      **C** £113      E £113.13  
 B £1130      D £11.13

2. Alex goes on a 13.47 km walk. How far does he walk to the nearest tenth of a kilometre?

Answer: 13.5 km

3. Izumi measures the heights of her three mini cactuses and records them in the table below. Which cactus (A, B or C) is the shortest?

Cactus	<b>A</b>	B	C
Height	6.02 cm	7.21 cm	6.89 cm

4. Ollie goes to the gym for 50 minutes. He spends 35 minutes on the treadmill. What percentage of his time at the gym does Ollie spend on the treadmill? Circle the correct option.

A 35%      B 50%      C 30%      D 25%      **E** 70%

5. A village pub wants to know which meal on their menu is the most popular. They record what people order one weekend and put the results in a pictogram.

Fish and Chips	○○○ <sup>1/4</sup>
Vegetable Curry	○○ <sup>1/2</sup>
Roast Beef	○○○ <sup>1/4</sup>
Chicken Pie	○○○ <sup>1/2</sup>

Key: ○ 8 people

How many people ordered either fish and chips or roast beef? Circle the correct option.

A 8      **B** 48      C 42      D 80      E 56

6. Hamza has £50 in savings. He buys some headphones for £35.85. How much money does Hamza have left?

Answer: £ 14.15

7. Charlie has designed a patio in his garden, as shown below. He wants to put a fence all the way around it.

How many metres of fencing does he need? Circle the correct option.

**A** 40 m      D 38 m  
 B 30 m      E 36 m  
 C 24 m

