Term 6 Session 1

Maths - Mean Averages

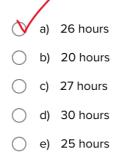
Look at this list of numbers. 90, 80, 30, 80

What is the mean?

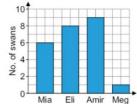
What is the mean of 14, 6 and 16?

			Q/	a)	12
\bigcirc	a)	75	\bigcirc	b)	13
\bigcirc	b)	60	\bigcirc	c)	8
\bigcirc	c)	80			
\bigcirc	d)	50	\bigcirc	d)	10
	/ e)	70	\bigcirc	e)	9

In a shop, three of the members of staff each work 30 hours a week and the other two members of staff each work 20 hours a week. What is the mean number of bours worked per person each week?



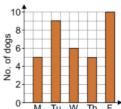
our children count how many swans they saw on a walk along a river. Their results are shown in the graph.



What was the mean number of swans seen by each child?



A dog-walker records how many dogs she walks each day for 5 days, and displays her results in the graph below.



What is the mean number of dogs she walks per day?



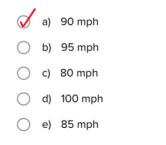
What is the mean of the numbers shown on the cards below?

19

17

The speeds of four racing cars as they crossed the finish line are shown below. 90 mph, 80 mph, 100 mph, 90 mph

What was the mean speed of the four cars as they crossed the finish line?



a) 14
b) 15
c) 16

O d) 17

e) 18

Term 6 Session 1

Work out the mean of the following sets of numbers.

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

- Answer: _____
- Answer: 4
- Answer: 8
- Answer: __ J
- 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?

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

- Answer:
- 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: _____ mm



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: ______

	Scor	ebo	ard	
l	Dart	1	2	3
ľ	Katie:	30	6	9
$\langle \rangle$	Vikram:	10	11	60 🛚
\in				

- 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

c) pattern d) stain e) mudge

Verbal Reasoning - Rhyming synonyms 1. SPEND First Lieutenant Williams looked for his _____ and marched towards the target. a) friend b) comrade c) rifle d) boots e) rucksack 2. CAST Adela glanced at the ____ ocean with waves that crashed against steep, jagged rocks. a) blue b) choppy c) tranquil d) enormous e) rough 3. **SIR** It was hard being left-handed, the fountain pen left an inky ____ on the paper when he wrote. a) line b) mark

Term 6 Session 1 4. RAFFLE The many roundabouts and complicated junctions started to _____ Jonathan, as he drove through the city centre. a) annoy b) irritate c perplex d) relax e) deter 5. LEARN She took the glowing candle, being careful not to _____ her long hair. a) cut bsinge c) knot d) catch e) tangle (corrupt) (emotion) The flurry of snow blanketed the garden. from her bedroom window. Elena observed the abrupt commotion picturesque catastrophe sudden/ disturbance light incident settlement delicate landscape delightful (insistent) The rainfall was throughout their walk. (doomed) consistent their picnic before going to swim in the lake. They consumed refreshing severe unpacked moderate prepared constant admired

intolerable

Spelling

savoured

	Every August, Edinbo Every August, Edinbo make their annual of events offers everyth	ilgrimige to its tend	ouned arts festival.	The diverse progr			
4.	Desperate for a way out, Isaac attempted to pier into the darkness. He took a						
	Α	В	C	D	N		
5.	deep breath and bega	an to creep along th	e dingy coridor. W	ith every step he			
	Α	В	Č	D	N		
6.	took, he could hear h	nis heart pounding in	n his chest. He had	known that comir	ng		
	Α	В	С	D	N		
7.	here was a terrible id	ea — he should nev	er have listened to	his brother. Frantic	cly,		
	A	В	С	D	N		
8.	Isaac began searchin	g for the door that w	ould lead him out o	of this labrinth.			
	Α	В	С	D	N		

9. Suddenly, he froze. Pure terror coursed through his viens as he heard footsteps

В

10. in the distance. It had never ocurred to him that he might not be alone.

C

С

D

N

N

Punctuatuion

Α

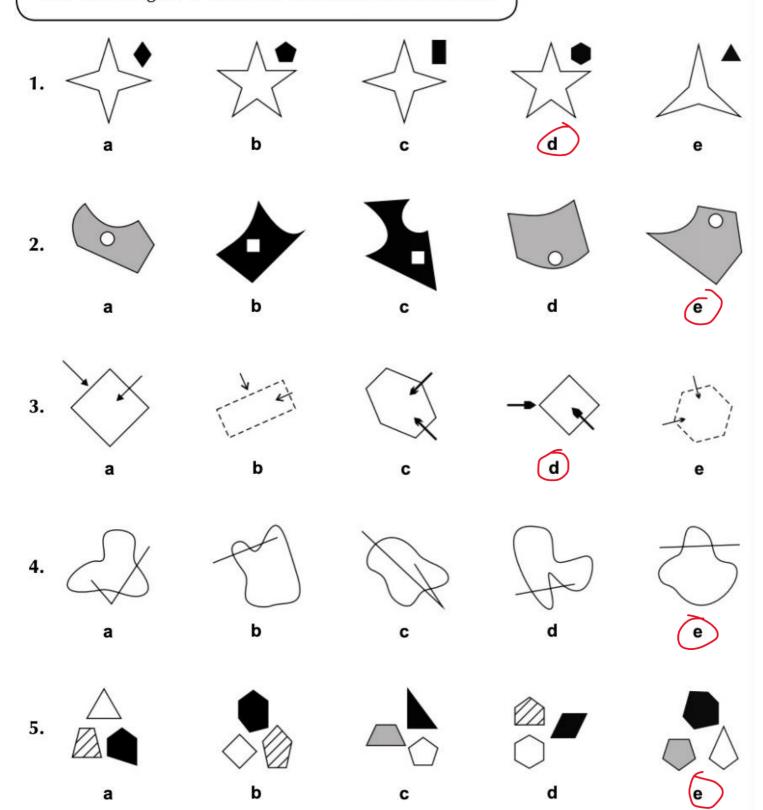
	This passage contains some punctuation mistakes. Write the passage out again with the correct punctuation.
2	. Alicia — who had been volunteering at the gallery for three years-led the visitors through the doorway. She paused as she gestured to a huge painting on the wall. "This painting was produced in Paris in the sixteenth century" she explained.

This passage contains some punctuation mistakes. Each numbered line has either one mistake or no mistake. For each line, work out which group of words contains a mistake, and circle the correct letter. Circle N if there is no mistake.

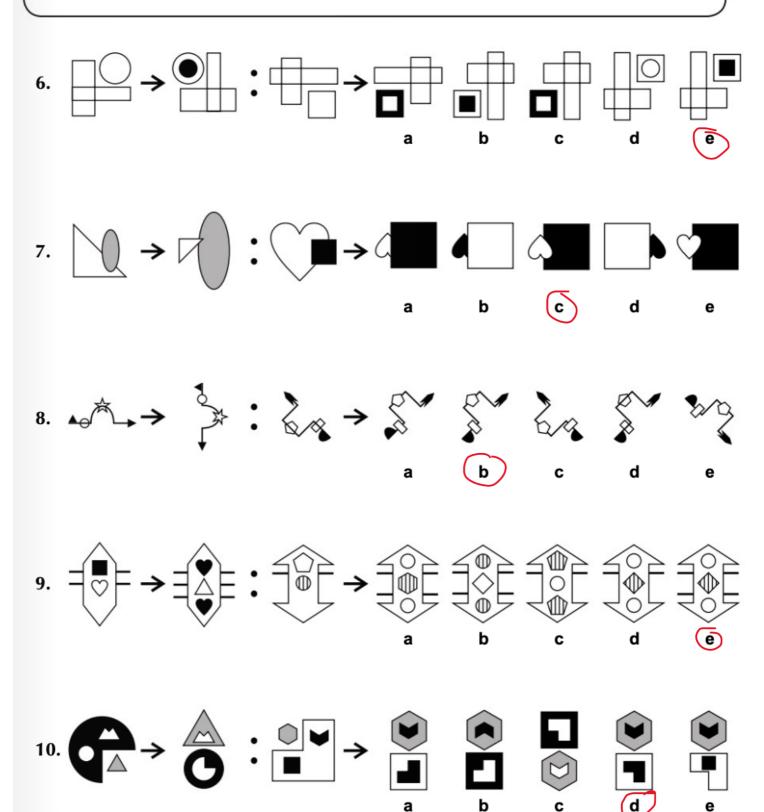
8.	Last weekend my friends and I went camping. On Saturday morning, we filled the						
	A	В	С	D	N		
9.	car with everything we'd need: tents sleeping bags and food. When we finally got						
	Α	B	С	D	N		
10	to the camp site (the jou	rnov took five hours	it was raining an	id wo wore all grum	201/		
10.		rney took live hours,			· ·		
	Α	В	С	D	N		
11.	"This is horrible! Its goin	ng to be a disastrous	weekend," moan	ed my friend Harry	<u>'</u> .		
	A	В	С	D	N		
12.	Hurriedly, we began to a	ssemble the tents. T	he instructions w	ere ridiculously			
	Α	В	С	D			
13.	complicated but on our	seventh-attempt, we	finally mastered	it. Before long, the			
	Α	В	С	D	N		
14.	downpour, had ended ar	nd we were sipping o	delicious mugs of	hot chocolate.			
	A	В	С	D	N		
15.	This is more like it — I to	old you it'd be a brill	iant weekend," g	rinned Harry.			
	\overline{A}	В	С	D	N		

Non-Verbal - 10 minute test

Each of the questions below has five figures. Find which figure in each row is most unlike the others.

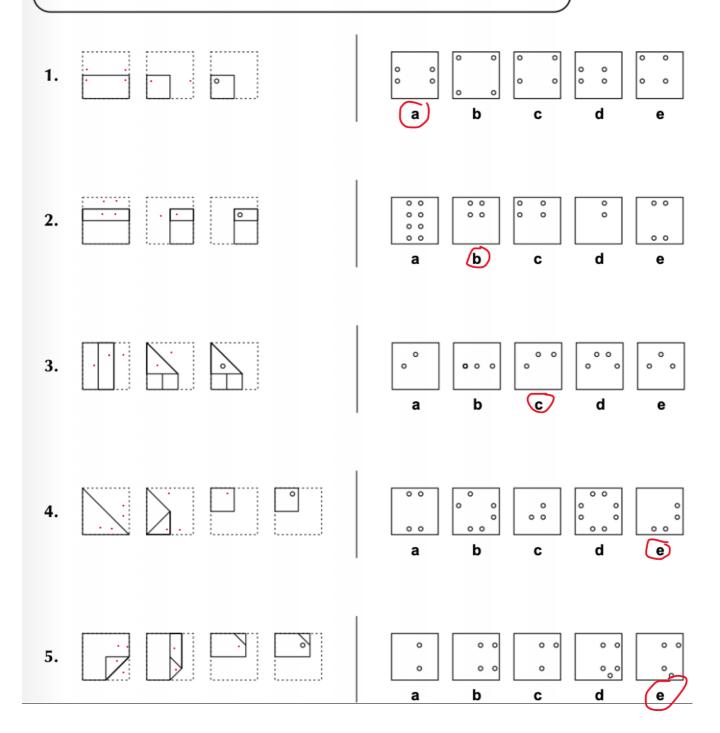


Each question has two shapes on the left with an arrow between them. The first shape is changed in some way to become the second. There is then a third shape followed by an arrow and a choice of five shapes. Choose the shape on the right that relates to the third shape like the second does to the first.

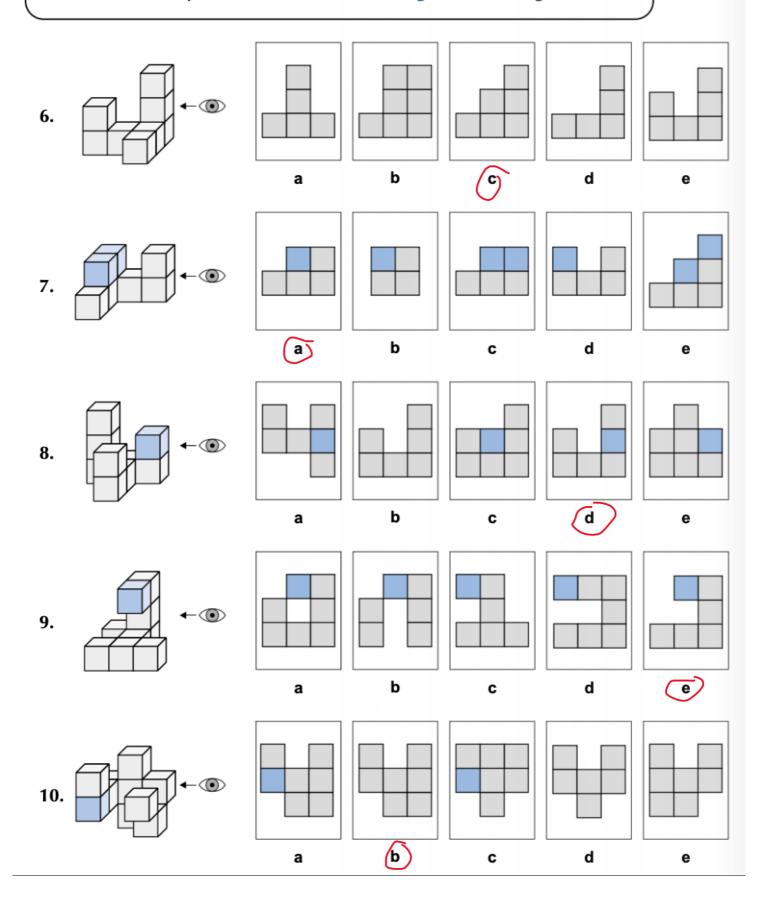


Spatial Reasoning - 10minute test

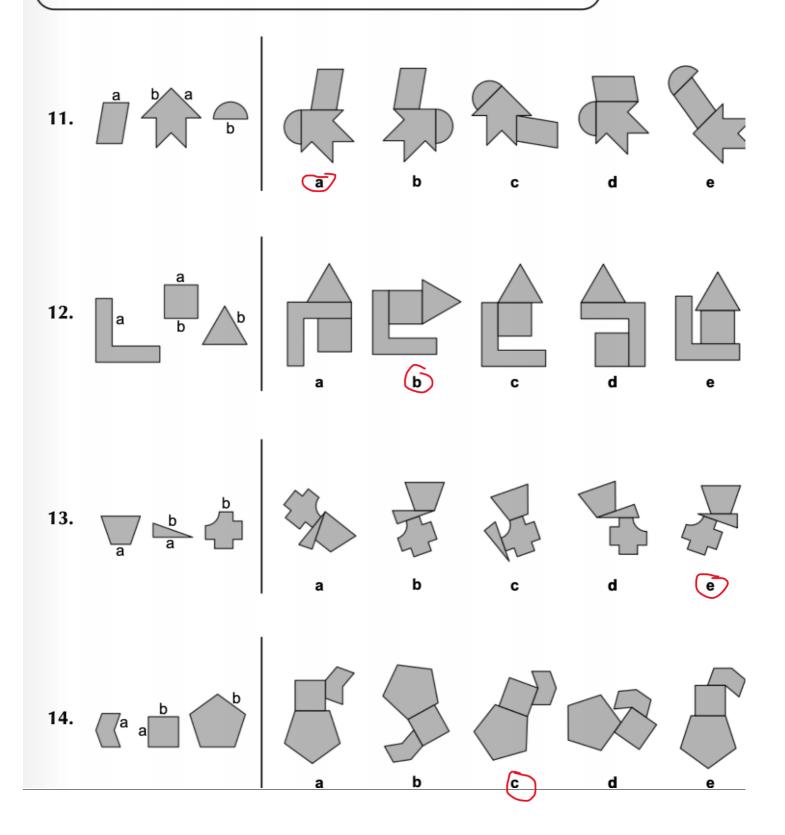
A square is folded and then a hole is punched, as shown on the left. Work out which option shows the square when unfolded.



Work out which option is a 2D view from the right of the 3D figure shown.



Work out which option shows how the three shapes will look when they are joined by matching the sides with the same letter.



An extract from 'Magnus Fin and the Selkie Secret'

by Janis Mackay

Waves high as houses reared, hovered then crashed, roaring onto the rocks. Salt spray spun through the air. Doors rattled. Chimneys moaned. Boats in the harbour were tossed high then flung low. The sea was a churning froth. Mighty waves smashed against cliff sides and hurled white spray high into the air. Magnus Fin was down at the beach watching, and yelling, and cheering. So was Tarkin, and they were both soaked to the skin.

Nearby, in the cottage down by the shore, Aquella sat in her room. With the window smeared with salt there wasn't much to see, but she could listen to the pounding, thundering roar of the angry sea. It thrilled and stirred her, but she was worried. Young seals could be dashed against the rocks. She hoped they'd keep away from the coast and stay deep. She kept away from the window, in case the storm shattered the glass and salt water landed on her delicate skin.

Magnus Fin and Tarkin, cheering from the safety of the heathery hillside, watched the sea fling scraps of rubbish onto the beach: plastic bottles, driftwood, branches, cans, ragged lengths of rope and unidentifiable flotsam and jetsam*.

"Might be treasure in among all that rubbish," Magnus Fin shouted. He had to shout to be heard above the roar of the sea. His practised eye scanned the coastline. He could see planks of wood. They'd make a good bonfire, or maybe a bench for inside the cave. He spied a wellington boot, a yellow rubber glove, bottles, a car tyre and something blue that looked like a mangled tent. No antiques from the *Titanic* though. No treasure chests from sunken pirate ships.

A wall of water advanced. The boys staggered backwards, yelling as the towering wave crashed over the stones, flinging a heap of sand and a dark object onto the shore. Fin just saw it before spray from the mighty wave cascaded up the beach, drenching them.

Tarkin grabbed Fin's arm, screaming, "We could get smashed against the rocks!" He spluttered up water. "We need to get out of here. Fast!"

*flotsam and jetsam — scattered items or ship parts found in the sea, often from shipwrecks

According to the text, which of the following statements about the waves must be false?
They move objects around.
They don't reach the cliffs.
They are as tall as buildings.
They scatter water droplets.
They make a lot of noise.
Question 2
According to the text, which of the following statements about Magnus Fin and Tarkin must be true?
They are a long way from Aquella's cottage.
-/

They are not wearing waterproof clothes.
They are watching the storm quietly.
They are standing on the harbour wall.
They find storms uninteresting.

How does the storm make Aquella feel?		
Concerned and sad		
Angry and nervous		
Restless and brave		
Relaxed and comforted		
Excited and anxious		
Question 4		
According to the text, which of the following is a reason why Magnus Fin is watching the sea?		
He is concerned about the sea creatures.		
He is worried that boats in the harbour will be damaged.		
He thinks something valuable might wash up on the beach.		
He is afraid that the nearby houses will be flooded.		
He wants to gather driftwood for a bonfire.		
Question 5		
Which of the following is not mentioned as something that is dropped on the beach by the storm?		
Part of a vehicle		
O Plastic containers		
Old furniture		
O Part of a tree		
○ Footwear		

Why is	Tarkin	frighten	ed at the	end c	of the text?

 He can't keep his balance on the wet sand.
The waves are sweeping him out to sea.
The waves have knocked him over.
He doesn't know how to swim.
The waves are getting closer to him.
Question 7
What does 'reared' mean in this extract from the text: "Waves high as houses reared, hovered then crashed"?
Rose
○ Froze
O Deepened
○ Broke
Rushed
Question 8
What does 'practised' mean in this extract from the text: "His practised eye scanned the coastline"?
Committed
Steady
Disciplined
Practical
Experienced
Question 9
What technique is used in this extract from the text: "Salt spray spun through the air"?
Exaggeration
Alliteration
Personification
Onomatopoeia Onomatopoeia
A metaphor

Term 6 Session 1

What type of word is 'sun	ken' in this extract from the text: "No treasure chests from sunken pirate ships"?
\circ	Verb
\bigcirc	Determiner
0	Preposition
\triangleleft	Adjective
\circ	Adverb