

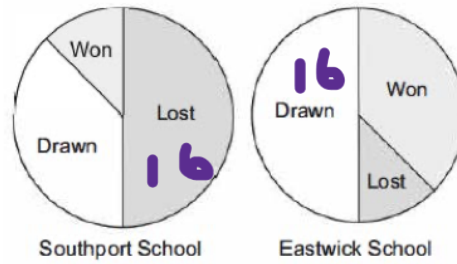
**Maths – Pie Charts**

1. The pie charts below show the results of two schools in a rugby tournament.

Each school played 32 matches. Which of these statements is true?

Circle the correct answer.

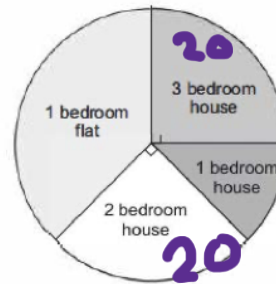
- A Both sides won the same number of matches.
- B Eastwick School played sixteen drawn matches.
- C Southport School was unbeaten fifteen times.
- D Southport School had the more successful side.
- E Both sides won a total of eighteen games.



2. This pie chart shows the types of homes 80 people live in.

How many people live in houses with more than 1 bedroom?

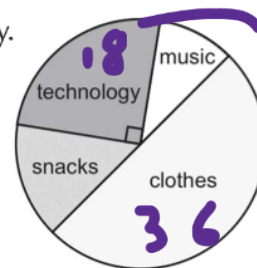
40



3. A survey asked teenagers about how they spend their pocket money. The results are shown in the pie chart.

18 teenagers said they preferred to spend their pocket money on technology. How many teenagers were interviewed altogether? Circle the correct answer.

- A 75
- B 36
- C 54
- D 72
- E 58



$18 \times 4$

This pie chart shows the proportion of tickets sold for different sports at an athletics event.

4. 250 tickets were sold for the shot put. How many tickets were sold for the high jump?

750



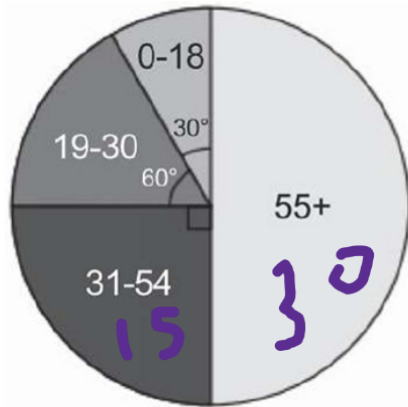
$250 \times 3$   
1

5. How many tickets were sold for the javelin?

500

Term 6 Session 2

Barbara owns a charity shop. She asks 60 customers which age group they belong to. She makes a pie chart to show her results.



Are the following statements about her pie chart true or false?  
Circle the correct option.

6. Half of the customers were aged under 55.

True     False

7. 3 times more customers were aged 19-30 than 0-18.

True     False

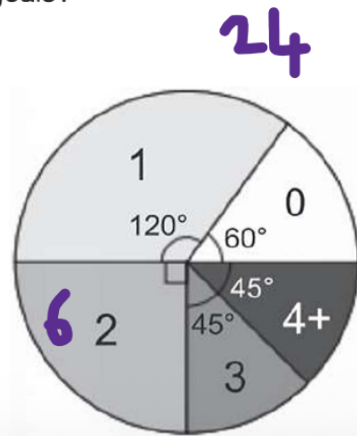
8. 15 people were in the age group 31-54.

True     False

A striker played 24 football matches. The pie chart below shows the number of goals she scored in each match.

9. In what percentage of the matches did she score exactly 2 goals?

10. In how many matches did she not score any goals?



$12 \div 3 = 4$

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

*friend*

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

*vast*

3. SIR  
It was hard being left-handed, the fountain pen left an inky \_\_\_\_\_ on the paper when he wrote.

a) line  
b) mark  
c) pattern  
d) stain  
e) smudge

*blur*

4. LEARN  
She took the glowing candle, being careful not to \_\_\_\_\_ her long hair.

a) cut  
b) singe  
c) knot  
d) catch  
e) tangle

*burn*

**1** **cattle** The Roman general led his legion of soldiers into *battle*

A port    **B conflict**    C camp    D peace    E Rome

**2** **peddle** The athlete climbed up onto the podium to receive his \_\_\_\_\_ medal.

**A award**    B flag    C tracksuit    D time    E shoes

**3** **charged** The rugby player was \_\_\_\_\_ out of the way by the opposition player.

A run    B asked    **C shoved**    D moved    E kicked

**4** **brood** The beaver stripped the bark from the tree for \_\_\_\_\_.

**A nutrition**    B twigs    C leaves    D sap    E fruit

**5**     **apart**     The station announcer informed everyone that the train was about to \_\_\_\_\_.

depart

- A arrive     B pass     C stop     **D leave**     E split

**6**     **sprawl**     The season after summer is the one where leaves \_\_\_\_\_ from the trees.

fall

- A detach     B discolour     **C drop**     D rise     E exit

**7**     **sundered**     The pirates \_\_\_\_\_ gold and treasure from their victims' ship.

plundered

- A removed     B borrowed     C hired     D devastated     **E robbed**

**8**     **bloody**     The rain made the footpath very \_\_\_\_\_.

muddy

- A uneven     **B dirty**     C slippery     D wet     E soggy

**9**     **achieved**     The conman \_\_\_\_\_ members of the public.

deceived

- A persuaded     B reassured     **C hoaxed**     D convinced     E mistrusted

**10**     **staff**     Some data trends are best displayed in a \_\_\_\_\_.

graph

- A chart**     B photo     C image     D table     E summary

cruise

**11** ruse

Old mariners prefer to \_\_\_\_\_ their yachts than drive powerboats.

A drive

**B sail**

C maintain

D scrub

E float

**12** boundary

The steel sculpture was made in a \_\_\_\_\_.

foundry

A day

B garden

C garage

D park

**E factory**

**13** presume

The actor was delighted to wear his stage \_\_\_\_\_.

costume

A shoes

B makeup

C hat

**D outfit**

E trousers

**14** rift

At the end of the year, Lucy gave her a teacher a \_\_\_\_\_.

gift

A book

B hug

C mug

D plant

**E present**

**15** arisen

After serving her sentence, the woman was released from \_\_\_\_\_.

prison

A duties

**B jail**

C books

D stress

E boredom

**16** chills

By taking on more work, the man was able to pay his \_\_\_\_\_.

bills

A wife

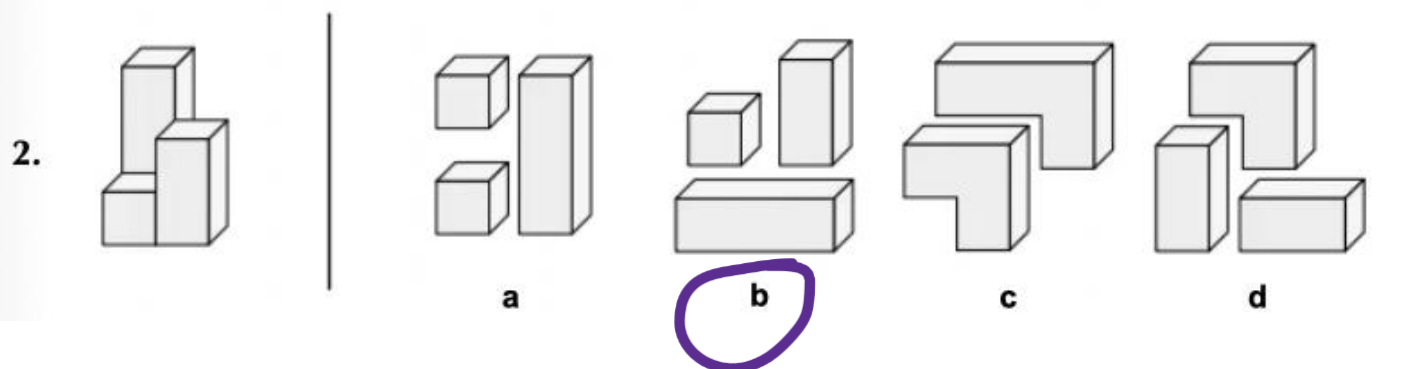
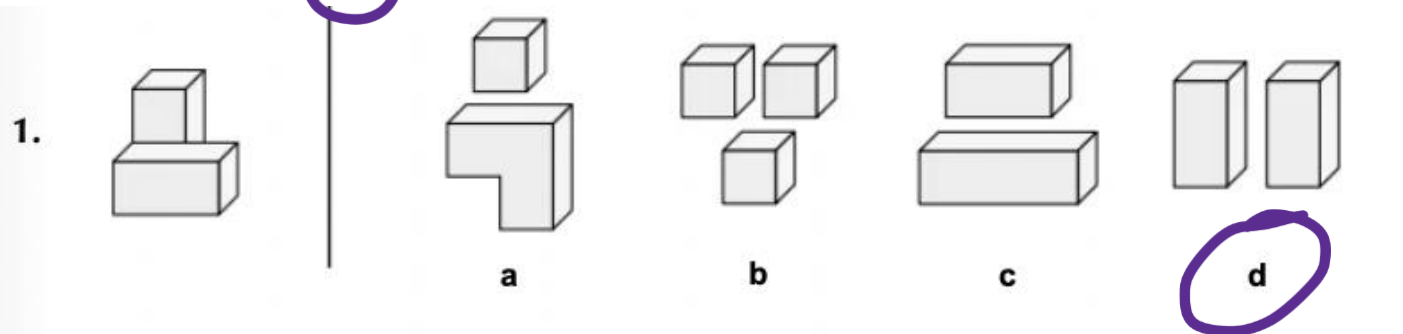
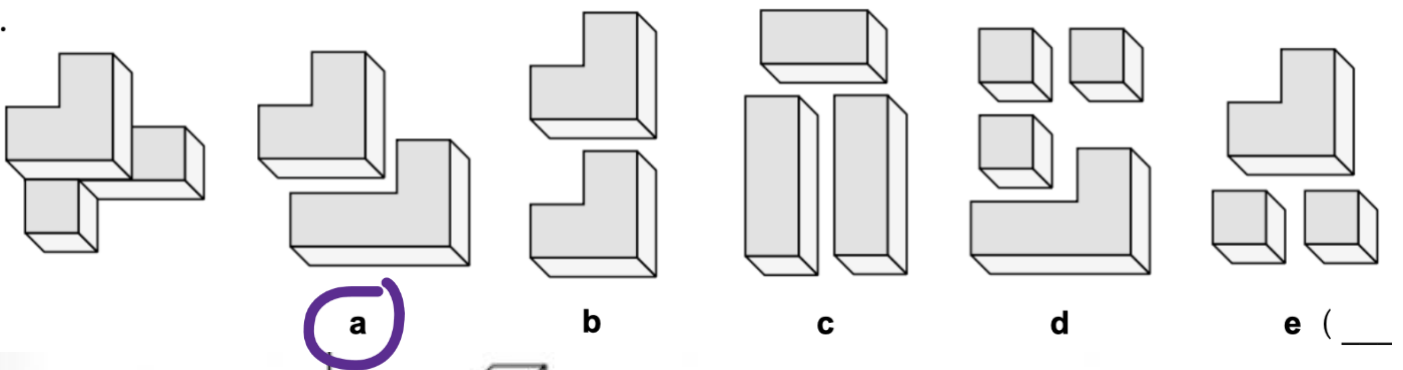
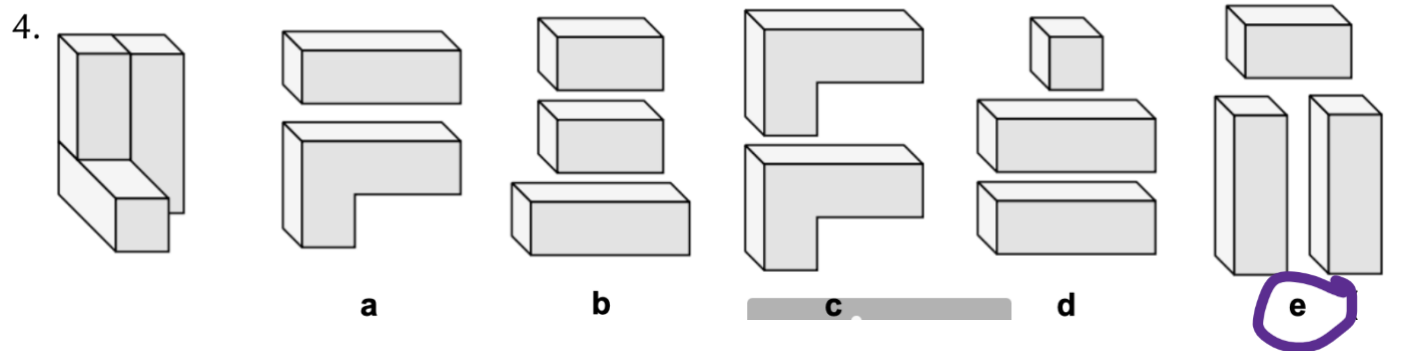
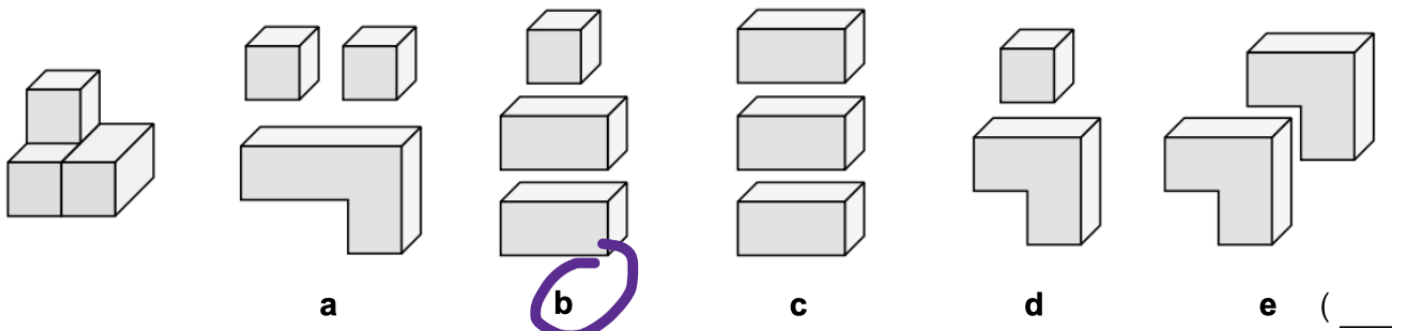
B boss

C proprietor

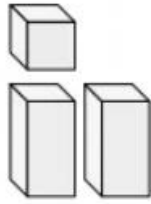
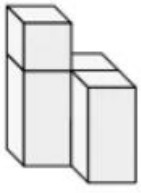
**D dues**

E tenant

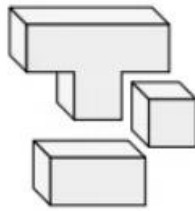
Spatial – Building Blocks



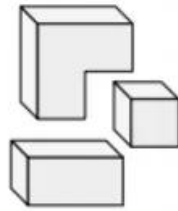
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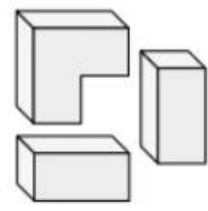
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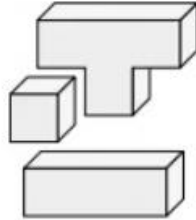
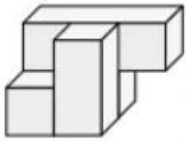


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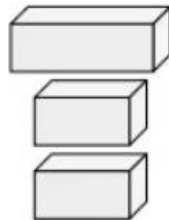


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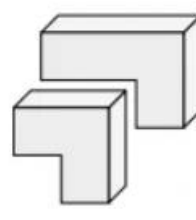
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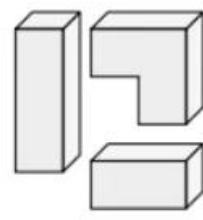
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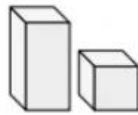


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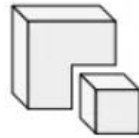


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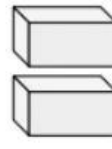
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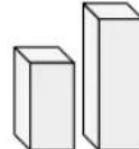
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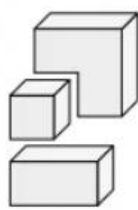
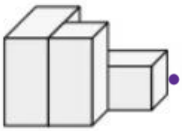


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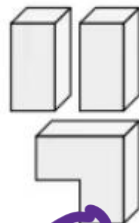


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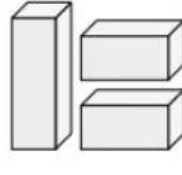
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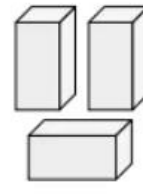
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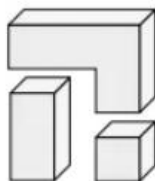
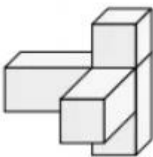


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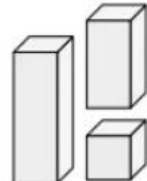


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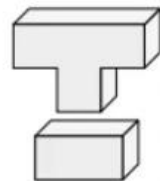
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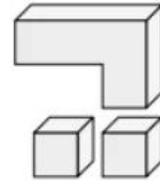
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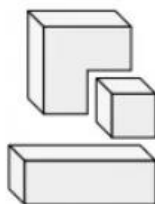
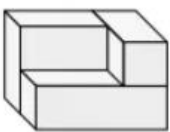


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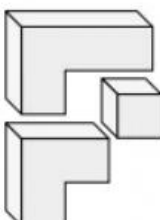


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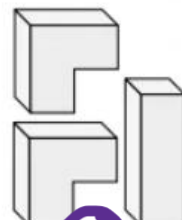
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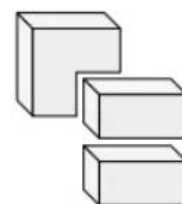
a



b



c



d

## The World's Largest Turnip Festival

Every year on the second Saturday in November, the Swiss lakeside town of Richterswil switches off all of its lights and instead becomes illuminated by the glow of thousands of lanterns made from turnips. This event, called Räbechilbi, is a popular celebration in some areas of Switzerland. Although the festival's origins are unclear, many speculate that it dates back to when people made turnip lanterns as part of a celebration that gave thanks for the final harvest before winter.

While rooted in tradition, the festival has evolved to include an enchanting parade. The parade features floats constructed out of candlelit turnips that glow beautifully along the darkened streets. Each float has a unique design — bats, double-decker buses and whales have all been seen in the past. The entire community, as well as thousands of visitors, line the road to view this procession. It is a magical sight for residents to see their children's faces flickering in the firelight as they walk past with lanterns of their own making.

Turnips, being generally smaller than pumpkins, are an ideal vegetable to make into a lantern. With adult supervision, children scoop out the flesh of the turnip and carefully carve designs into the skin. There is no need to carve all the way through to the hollow centre — if you carve gently enough you will leave behind a thin layer of semi-transparent skin for the candle to glow through.

In the days leading up to the event, the demand for turnips is considerable. Around 30 000 kilograms of turnips are usually requested, but this is anticipated by farmers who ensure that they plant a substantial amount of turnips in July and August. When the turnips are harvested, they are inspected to make sure they aren't decaying, and then they are transported to Richterswil on trucks. The farmers' hard work, as well as the many hours dedicated to adorning the town with lanterns, allows the winter season to be welcomed in with excitement and optimism.

1. Which of the following statements is false?
  - A Richterswil is located next to a lake.
  - B The turnip festival is an annual event.
  - C Richterswil is in Switzerland.
  - D** The festival takes place on a Sunday in November.
  - E All of the lights in Richterswil are turned off for the festival.
2. According to the text, what do people think could be the origin of the festival?
  - A People walking for miles to sell the food that they had harvested.
  - B People only having lanterns as a source of light many years ago.
  - C** People showing that they were grateful for the last crops of the season.
  - D People celebrating that autumn had ended.
  - E People hoping for a better harvest the following year.

Term 6 Session 2

3. Which of the following best describes the parade?
- A Dramatic
  - B Lively
  - C Charming
  - D Flawless
  - E Colourful
4. Which of the following statements is true?
- A Only people who live in Richterswil attend the parade.
  - B The parade takes place when it is dark outside.
  - C A lot of the parade floats have similar appearances.
  - D Children aren't allowed to participate in the parade.
  - E The festival hasn't changed since it began hundreds of years ago.
5. Why do you think children are careful when they carve the turnips?
- A They don't want to knock over the candle inside.
  - B They aren't used to handling sharp tools.
  - C They want to make sure they carve a good design in the turnip.
  - D They want to avoid cutting all the way through the skin.
  - E They don't want to get told off by the adult who is watching them.
6. "the demand for turnips is considerable" (line 19). What does this mean?
- A It is difficult to supply everyone with enough turnips.
  - B People think carefully about how many turnips they will buy.
  - C People tend to want more turnips than they actually need.
  - D There are a lot of turnips available to buy.
  - E A significant amount of turnips is needed.
7. Which of the following is not mentioned in the passage?
- A Why the turnips have to be checked after being harvested
  - B Where the turnips are taken after they have been harvested
  - C The number of turnips needed for the festival
  - D How the turnips are transported after they have been harvested
  - E When the farmers begin growing the turnips
8. Which of the following best describes how the winter season is "welcomed in" (line 25)?
- A With eagerness and pride
  - B With politeness and respect
  - C With enthusiasm and positivity
  - D With fondness and calmness
  - E With anticipation and curiosity
9. Which word is closest in meaning to "speculate" (line 5)?
- A Realise
  - B Decide
  - C Predict
  - D Guess
  - E Assume

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10. What does the word "ideal" (line 14) mean?

- A Effective
- B Perfect**
- C Adequate
- D Unrivalled
- E Reasonable

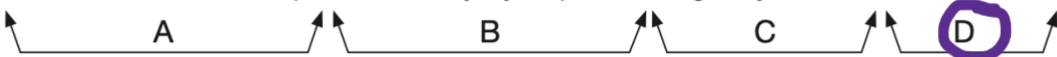





11. "Although the festival's origins are unclear" (lines 4-5).  
What type of word is "Although"?

- A Pronoun
- B Adjective
- C Preposition
- D Conjunction**
- E Noun

12. Which of the following contains an example of alliteration?

- A "the glow of thousands of lanterns made from turnips"
- B "While rooted in tradition, the festival has evolved"
- C "to see their children's faces flickering in the firelight"**
- D "a thin layer of semi-transparent skin for the candle to glow through"
- E "they are inspected to make sure they aren't decaying"

**Punctuation – Spot the punctuation mistakes**

1. Closer and closer crept the clumsy cyclops. Its single eye in the middle of it's N  

2. pale, leathery forehead did not blink but flickered – up down and from side to side – as N  

3. the unnatural creature lurched towards her. Delilahs heart was in her mouth as she reached N  

4. for her enchanted sword, focusing on just stretching an extra few inches. If she could **N**  

5. move a little further she could definitely use it to slay the beast 'You're too late, I'm going to N  

6. eat you!' it Screamed viciously, a spiked club clutched in its hand. N  


**Spot the spelling mistakes**

The scientist entered his laboratory, shaking with a mixture of terror and excitement. Had his experimant worked? Would his ambision be fulfiled? Looking down at his creation, he gasped.

- Sophie was a very funny girl. Her favourite thing to do was to imetate her  

A	B	C	<b>D</b>	N
---	---	---	----------	---
- teachers, much to the delight of her numerous friends. Today she was  

A	B	C	D	<b>N</b>
---	---	---	---	----------
- performing a very realistik impression of Mr Daley, her maths teacher.  

A	<b>B</b>	C	D	N
---	----------	---	---	---
- “Be quiet class!” she shouted in a loud, deep voice which was so similar  

A	B	C	D	<b>N</b>
---	---	---	---	----------
- to Mr Daley that she almost seemed to take on her teacher’s identity.  

A	B	C	<b>D</b>	N
---	---	---	----------	---
- “Today we are going to interprit graphs, which is very dull,” Sophie said.  

A	<b>B</b>	C	D	N
---	----------	---	---	---
- Just then, Mr Daley walked in — he didn’t find his pupil terribly humorus.  

A	B	C	<b>D</b>	N
---	---	---	----------	---

**Non-Verbal Reasoning RECAP**

1. 

C	D	D	
X	Y	X	

 | 

C	C	D	D	E
X	<b>Y</b>	X	Y	X
a	<b>b</b>	c	d	e

2. 

P	P	Q	
T	U	U	

 | 

P	Q	P	R	Q
T	<b>T</b>	U	T	R
a	<b>b</b>	c	d	e

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3.

4.

5.

6.

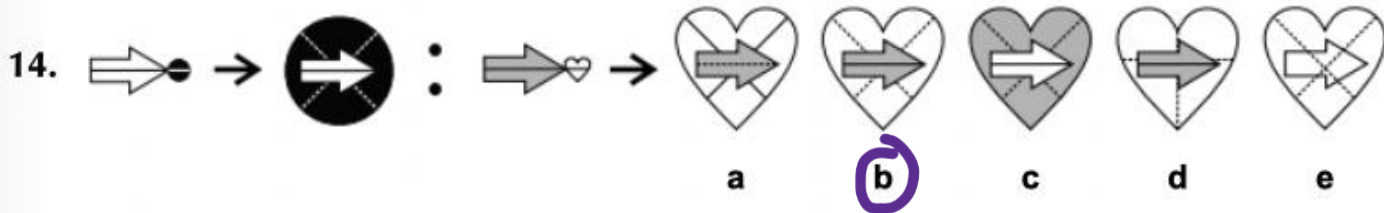
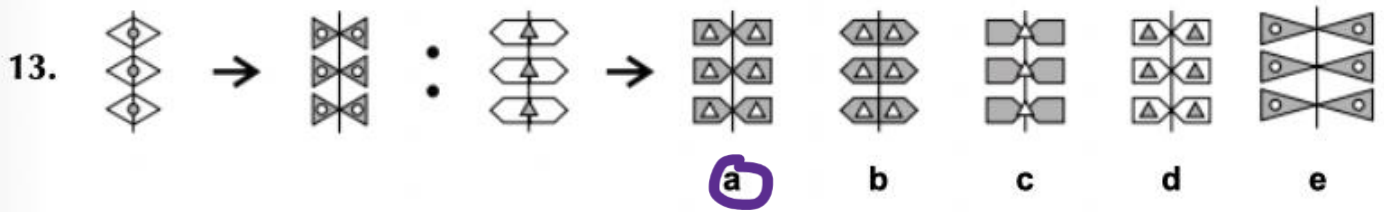
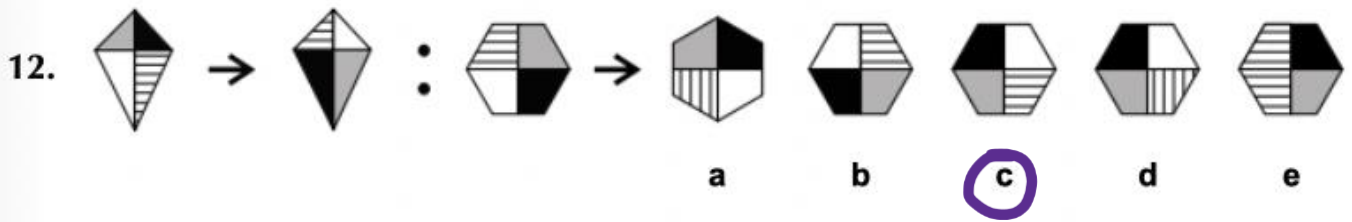
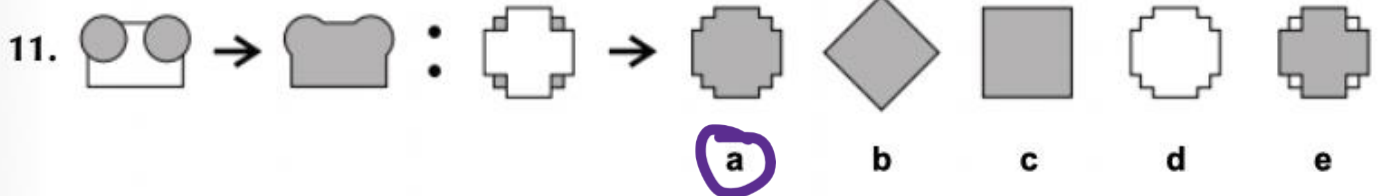
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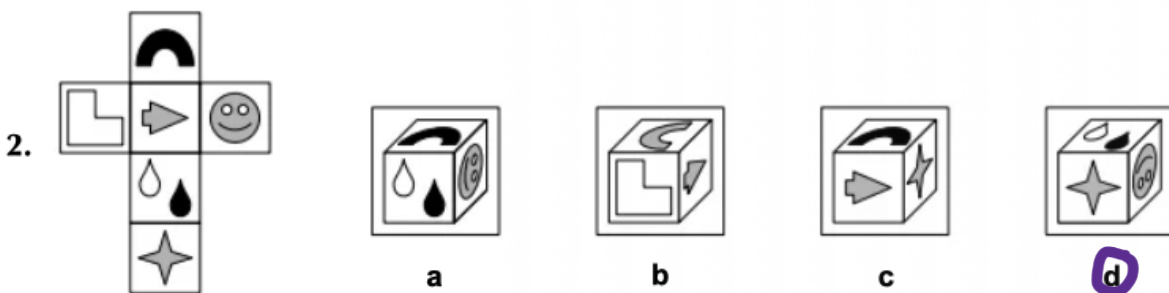
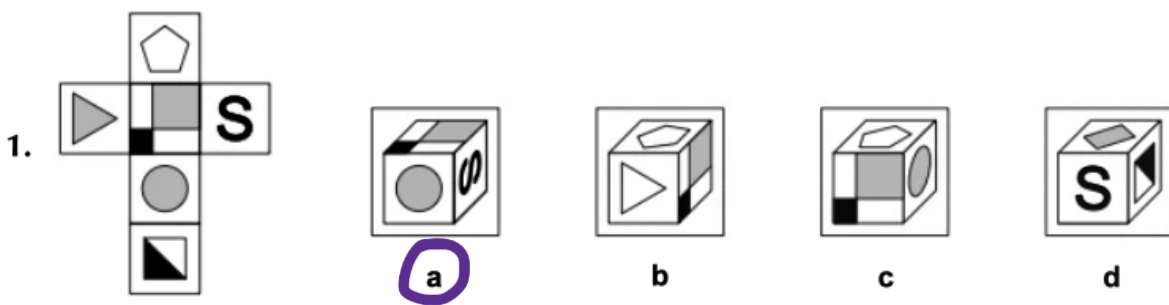
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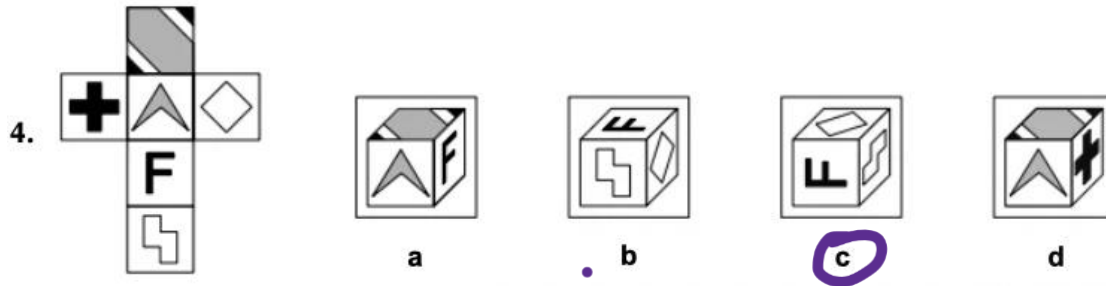
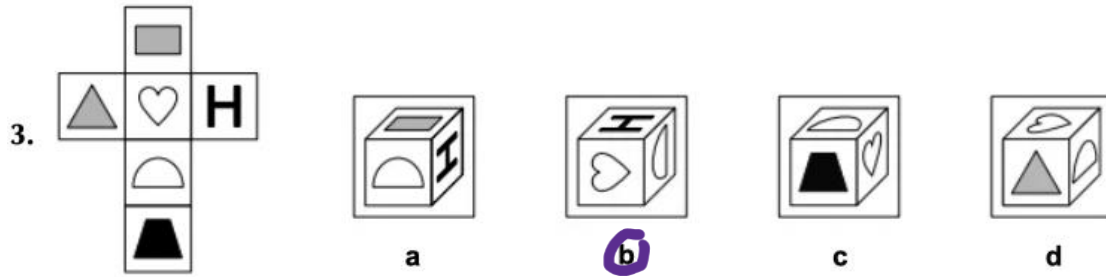
Term 6 Session 2



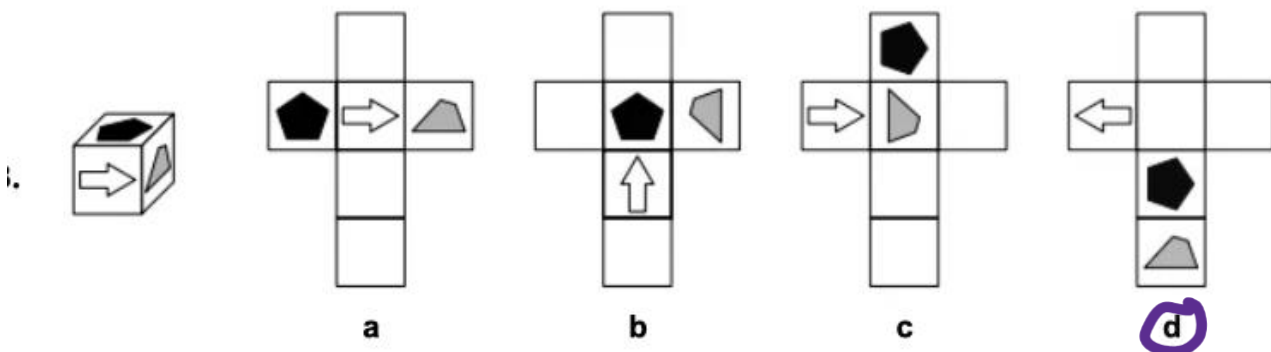
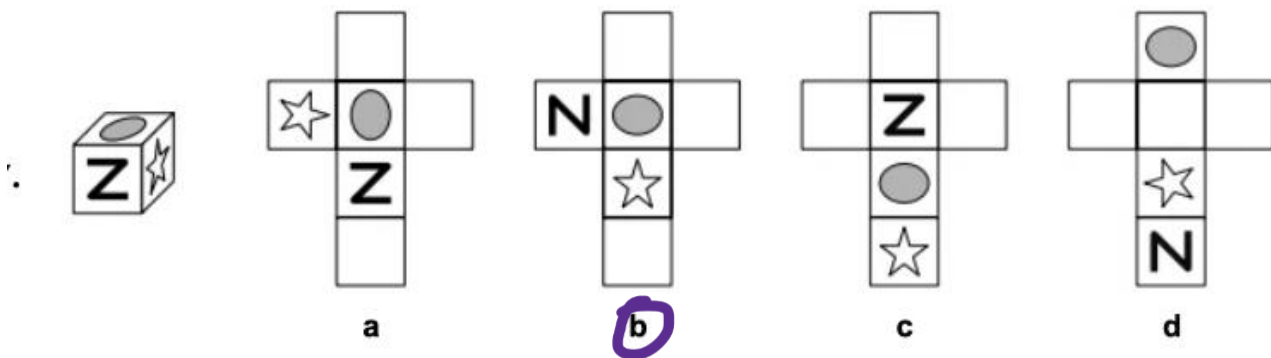
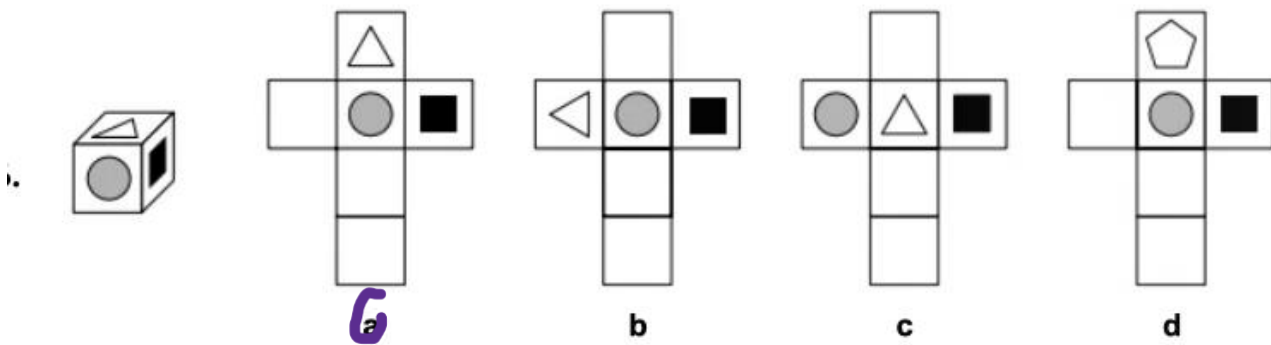
**Spatial Recap**

Work out which of the four cubes can be made from the net.





Work out which of the four partial nets can be folded to make the cube on the left.



**Verbal Reasoning RECAP**

Find the three-letter word that completes the word in capital letters, and so finishes the sentence in a sensible way. Write your answer on the line.

**Example:** It can be **CHY** outside when it snows. ( ILL )

1. There was a **SCCH** on the screen.

( fat )

2. Maryam needs a new **OUT** for work.

( fit )

3. We **SPT** mum on her birthday.

( oil )

4. I tried to hold the camera **SDY**.

( tea )

Choose the word that has a similar meaning to the words in both sets of brackets. Underline your answer.

**Example:** (twig branch) (fasten attach) glue stick trunk affix bough

5. (flea mite) (annoy bother) ant bug midge creature pester

6. (skin fur) (disguise cover) smuggle wool hide pelt stash

7. (source origin) (rummage burrow) root foundation scrape dig spring

8. (sieve drain) (stress pressure) strain tension wash colander force

Read the information carefully, then use it to answer the question that follows.

9. Kaycie, Veronica, Logan, Johan and Alyssa all paint pictures. Everyone except Johan and Logan uses orange paint. Johan and Kaycie paint with blue and yellow. Logan uses pink and red paint, but Veronica uses pink and yellow instead. Alyssa also adds some yellow to her picture. No one uses any other colours.

If the statements above are true, only one of the sentences below **must** be true. Which one? Circle the correct letter.

**A** Orange is the colour that is used by the most people.

**B** Johan and Kaycie use all the same colours in their pictures.

**C** Veronica uses the fewest different colours of paint.

**D** No one likes the colour green.

**E** Red is the only colour used by just one person.

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10. Jude, Nadia, Hunter, Jasmine and Hope played a game of wheelchair basketball. Jude scored the most baskets. Nadia scored half as many baskets as Jude. Hunter didn't score as many baskets as Nadia. Jasmine and Hope both scored the same number of baskets. Neither Jasmine nor Hope scored the fewest baskets.

If the statements above are true, only one of the sentences below **must** be true. Which one? Circle the correct letter.

- A Jasmine and Hope both played on the same team.
- B Nadia scored more baskets than Hope.
- C** Hunter scored fewer baskets than anyone else.
- D Jude scored the second highest amount of baskets.
- E Nadia scored the fewest baskets.

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

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

11.  $35 - 16 = (\underline{19})$

12.  $30 \div 5 = 4 + (\underline{2})$

13.  $16 + 11 - 2 = (\underline{25})$

14.  $8 \times 3 + 6 = (\underline{30})$

**Maths Recap**

1. Jameela has a red toy car and a blue toy car. The red car is 7 cm long and the blue car is 85 mm long. How much longer is the blue car than the red car, in mm?

Answer: 15 mm

2. Imogen records the amount of time in hours it takes her each week to complete all of her chores. She puts the results in this table.

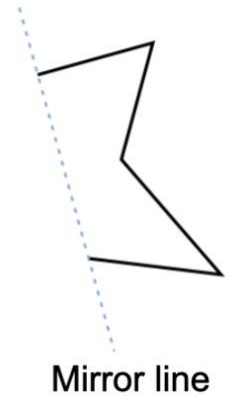
Week 1	Week 2	Week 3	Week 4	Week 5
5	7	4	3.5	4.5

How many more minutes does she spend doing chores in Week 2 than in Week 5? Circle the correct option.

- A 2.5
- B 180
- C 135
- D** 150
- E 210

3. Bilal draws the four lines shown on the right and then reflects them in the mirror line. What shape has he made? Circle the correct option.

A Pentagon      C Rectangle      **E** Heptagon  
B Hexagon      D Octagon



4. In a bookshop,  $\frac{1}{8}$  of the books are fantasy books,  $\frac{1}{4}$  of the books are romance books and  $\frac{1}{2}$  are sci-fi books. The rest are non-fiction books. What fraction of the books in the shop are non-fiction books? Circle the correct option.

A  $\frac{1}{6}$       B  $\frac{3}{8}$       **C**  $\frac{1}{8}$       D  $\frac{1}{4}$       E  $\frac{1}{12}$

5. Meghan is thinking of two numbers. They multiply together to make 18 and add together to make 9. Which numbers is Meghan thinking of?

Answer: 3 and 6

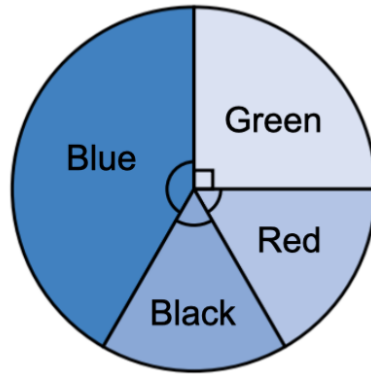
6. Graham buys three small bags of compost and one large bag of compost from a garden centre. Each small bag weighs 6.2 kg and the large bag weighs 10.85 kg. How many kilograms of compost does Graham buy?

Answer: 29.45 kg

7. In a class of 25 pupils, 5 pupils have no pets and 8 pupils have one pet. What percentage of the class have more than one pet? Circle the correct option.

A 13%      **B** 48%      C 20%      D 52%      E 80%

8. Richard wants to change the colour of his school's uniform. He asks some pupils at his school what colour uniform they want and shows their answers by drawing this pie chart:



30 pupils want a green school uniform. How many pupils did Richard ask in total? Circle the correct option.

- A** 45      **B** 90      **C** 60      **D** 180      **E** 120

9. A day ticket for the train costs £4.15. A weekly ticket costs £16.50. Raquel usually buys five day tickets each week. How much would she save by buying a weekly ticket instead?

Answer: £ 4.25

10. Mo stacks eight identical cube boxes on top of each other. The total height of the stack is 112 cm. He removes three boxes from the stack. What is the new height of the stack in metres?

Answer: 0.7 m