T6 S5 Maths

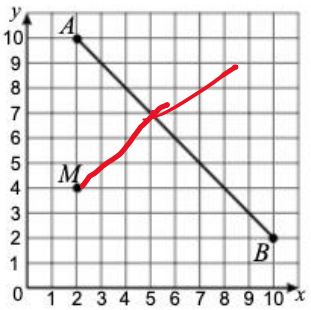
1. A chocolate bar weighs 50 grams. It contains 5 grams of fat.
What percentage of the chocolate bar is fat? Circle the correct option.

A 10% **C** 5% **E** 45%
B 1% **D** 0.1%

2. Laura goes to the gym every four days. Kelvin goes to the gym every five days. If they both go to the gym today, after how many days will they both go to the gym on the same day again?

Answer: _____ days

3. Alessia draws a line from point M that crosses the line AB at a 90° angle.



At what point does the line she draws cross AB?
Circle the correct option.

A (8, 4) **C** (5, 7) **E** (6, 6)
B (2, 10) **D** (7, 5)

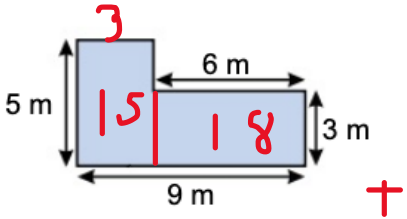
4. Simon went out for a meal. His main course cost £8.95, his dessert cost £3.69 and his drink cost £1.35.
He paid with a £20 note. How much change did he get?

Answer: £ _____

5. Angela has a block of clay that weighs 15 kg. She makes clay bowls that weigh 500 g, that can each hold 300 ml of water. If no clay is wasted, how many litres of water can Angela's bowls hold in total?

Answer: _____ litres

6. The floor plan of a room is shown in the diagram below.



What is the area of the room? Circle the correct option.

A 45 m² **C** 33 m² **E** 23 m²
B 27 m² **D** 36 m²

7. The time, in seconds, taken to prepare and serve a hot lunch in a factory canteen is given by the formula $20W + 1200$. W is the number of workers having a hot lunch.
How many seconds would it take to prepare and serve a hot lunch for 20 workers?

Answer: _____ seconds

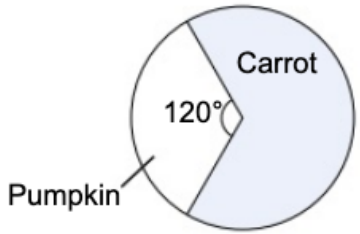
T6 S5 English

8. Lukas bought 6 bags of dog food to share equally between 15 dogs.
What fraction of 1 bag should each dog get? Circle the correct option.

A $^2/_3$ **B** $^4/_9$ **C** $^3/_4$ **D** $^2/_5$ **E** $^1/_2$

$\frac{6}{15} = \frac{2}{5}$

9. A class of 30 children were asked to name an orange vegetable.
The results are shown in the pie chart below.



360 ÷ 3 = 120

1/3 = 120

How many children said carrot?

2/3 of 30

Answer: 20

10. A builder sets up a pulley system to lift steel beams up to the top of a building.
The pulley can lift a maximum of 65 kg in one go. Each beam has a mass of 7 kg.
How many times will the builder need to raise the pulley to lift 100 beams?
Circle the correct option.

A 3 **B** 12 **C** 10 **D** 15 **E** 11

7kg x 9 beams = 63kg

9 | 100 (11 r 1)

1. Which of the options below is not an adverb?
Tick the box next to the correct answer.

A already ☐
B reasonable ☑
C rarely ☐
D maybe ☐

2. *Priya popped her balloon, which was purple, because she really wanted a blue one.*
Write down the relative pronoun from the sentence above.

which

3. Which of the sentences below is written in the passive voice?
Tick the box next to the correct answer.

A Katie ate her sandwich in three huge bites: she was famished! ☐
B Olufemi's dog, Fido, always barked at the neighbour's cats. ☐
C Tom drew a funny picture because he was extremely bored. ☐
D The fish in the pond were fed every day by Josh and his grandad. ☑

For each numbered line, choose the word which completes the passage correctly. The passage needs to make sense and be written in correct English. Circle the correct letter.

4. Bartok **sit** **sitted** **sits** **sat** **sitting** on the edge of the pitch and watched the game.
   A B C D E

5. "One day, **while** **until** **if** **yet** **but** I work hard," he said, "I'll be able to play
   A B C D E

6. for the team." He thought about the posters of players **on** **to** **through** **in** **at** his
   A B C D E

7. bedroom wall and **wondered** **wonder** **wonders** **wonderment** **wondering** who
   A B C D E

8. they admired. He **smiles** **smiling** **smiled** **smile** **smiley** as he imagined joining
   A B C D E

9. the team on the pitch to help **him** **them** **me** **us** **her** score the winning goal.
   A B C D E

This passage contains some grammatical 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.

14. "Attention!" Major Tan bellowed. All the troops in the crumbling barracks leapt
    A B C D N

15. to his feet and saluted smartly. The Major began prowling the ranks, probing
    A B C D N

16. so a mistake to penalise. He could not find one. Every soldier was very well
    A B C D N

17. presented and the Major knew that they must of spent hours the night before
    A B C D N

18. preparing for this inspection. "Good work," he grumbled, making his way out.
    A B C D N

10. *Janice decorated twenty-four cupcakes that she had baked earlier.*
    Write down the determiner from the sentence above.

    _____

11. *The pastries from the bakery were devoured by Gary.*
    Rewrite the sentence above in the active voice.
    Use the words from the sentence and remove any words where appropriate.

    Gary devoured the pastries from the bakery.

12. Which of the options below contains a possessive pronoun?
    Tick the box next to the correct answer.

    A "If you kick that ball, you'll be in big trouble mister!" ☐

    B Joanne's family adored Adnan's pet tortoise. ☐

    C Robert's latest model rocket launch was a huge success. ☐

    D "That slice of cake is mine," Sarah insisted, "so please don't eat it." ☑

13. *Tyler rode the old bike with the rusty chain as slowly as he could.*
    Write down the adverbial from the sentence above.

    _____

T6 S5 Verbal Reasoning

Rearrange the letters in capitals to spell a word that completes the sentence in a sensible way. Write the new word on the line.

Example: Blue and **WRONB** are my favourite colours. BROWN

1. The town **LECEDET** a new mayor. elected
2. The artist set up the **SEAEL** near the cliff edge. easel
3. On **AREGVAE**, 500 people visited each day. average
4. I believe tea is **PIRORUES** to coffee. superior
5. The siblings began to **SUBQBELA** with each other. squabble
6. It is important to remain **GILVINAT** while on duty. vigilant

Find a word which, when put at the start or end of each set of three words, makes three new words. Write your answer on the line.

Example: case maker mark book

7. tea cheese cup cake
8. flag war champion ship
9. taker free fully cart
10. stool path step foot
11. dough hazel chest nut
12. slide melon log water

Underline the word from the brackets that is the best synonym for the word in bold.

Example: The river was **broad**. (flowing muddy wide)

13. The building works have been **suspended**. (postponed hidden adapted)
14. Laura **dawdled** along the high street. (scurried ambled paraded)
15. He would **cherish** the painting forever. (treasure conceal display)
16. The message was particularly **cryptic**. (lengthy precise mysterious)
17. The cabinet was **intricately** decorated. (partially lovingly elaborately)
18. The committee **convenes** every Friday. (brainstorms gathers confers)

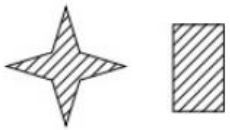
Look at the definition on the left. Underline the word on the right that best matches the definition.

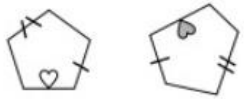
Example: to jog slowly scurry lunge sprint trot

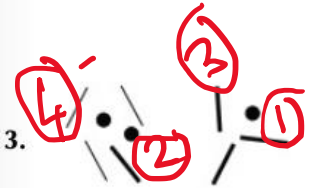
19. sensible and careful prudent modest thorough sincere
20. to push forward sprint fling gallop propel
21. calm and quiet serene contented grateful muffled
22. to damage aggravate tumble impair provoke
23. to promise approve pledge indulge permit
24. serious and deep genuine competent profound complex

T6 S5 Non-Verbal Reasoning

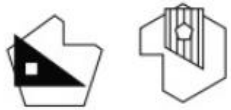
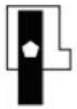
For each question below there are two figures that are like each other in some way. Find which of the five figures on the right is most like the two figures on the left.

1. 
a  b  c  d  e 

2. 
a  b  c  d  e 

3. 
a  b  c  d  e 

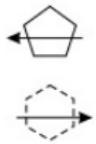
4. 
a  b  c  d  e 

5. 
a  b  c  d  e 

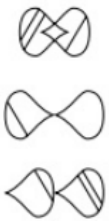
Each question has some shapes on the left with code letters that describe them. You need to work out what the code letters mean. There is then a shape on its own next to a choice of five codes. Work out which code describes this shape.

6. 
DP
DQ
CP

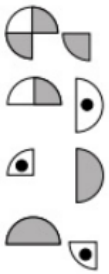

DP a CP b CQ c FQ d PQ e

7. 
BGL
CHM
BFM


BFL a CGL b BGL c CGM d CFL e

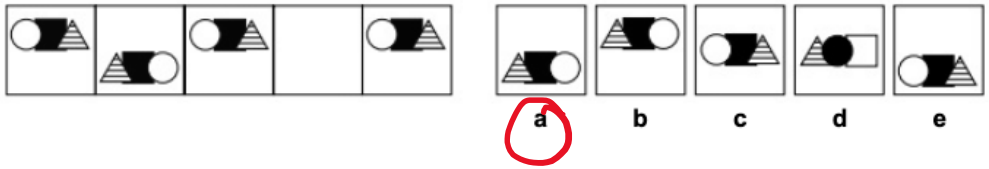
8. 
LT
LS
MU

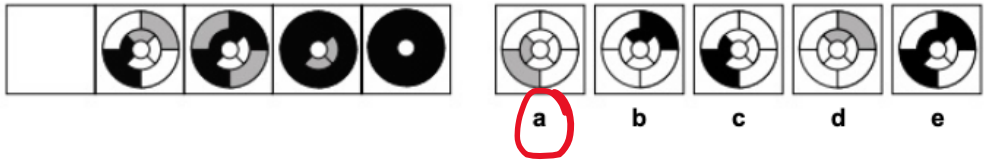

LT a MT b LU c MS d MU e

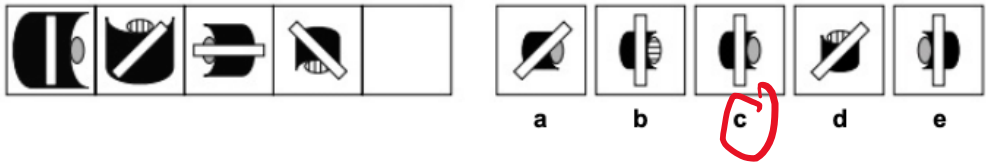
9. 
RD
SE
SF
RF

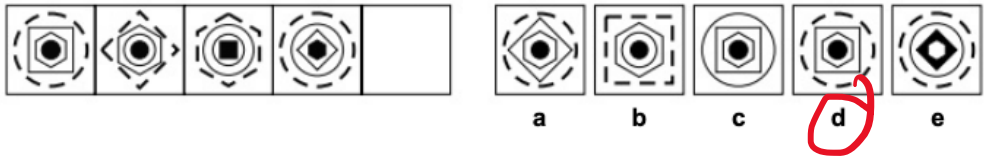

RE a SD b RD c SE d RF e

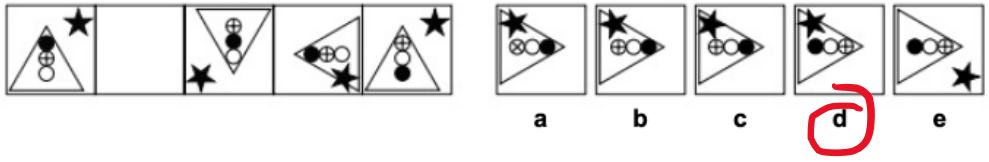
Each of these questions has five squares on the left that are arranged in order.
One of the squares is missing. One of the squares on the right should go in its place.
Find which one of the five squares on the right should go in place of the empty square.

10. 

11. 

12. 

13. 

14. 

T6 S5 Spatial Reasoning

The figures on the left show different views of the same cube. All the cube faces are different. Work out which of the options should replace the blue cube face.

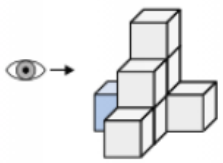
1. 

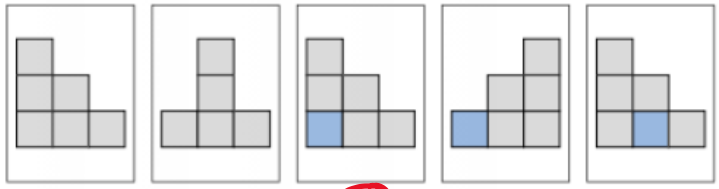
2. 

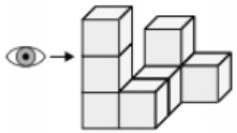
3. 

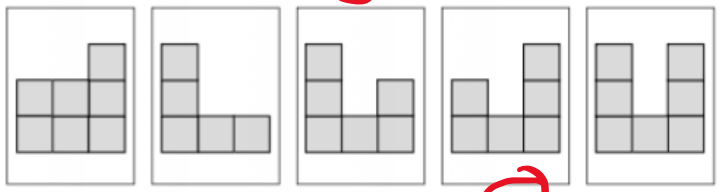
4. 

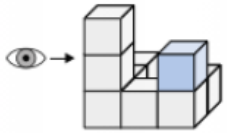
Work out which option is a 2D view from the **left** of the 3D figure shown.

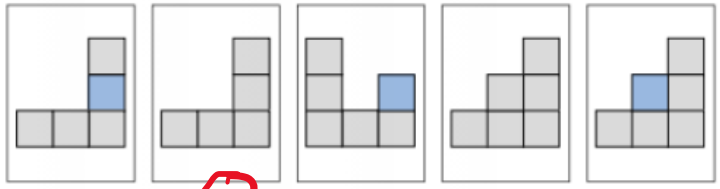
5. 

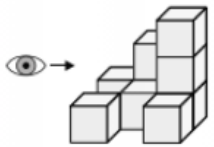


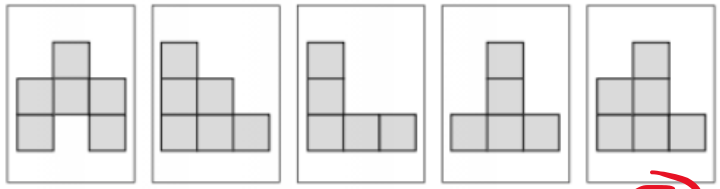
6. 

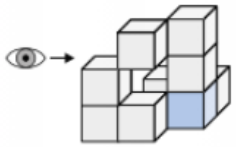


7. 

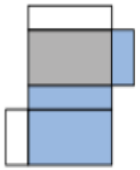


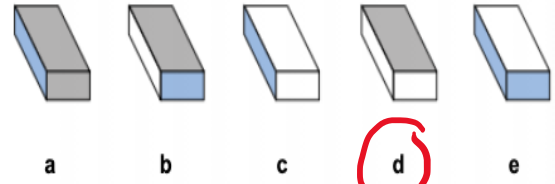
8. 



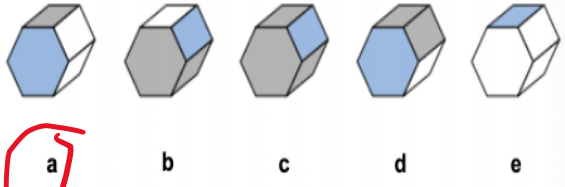
9. 

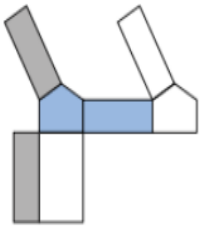
Work out which of the 3D shapes can be made from the net.

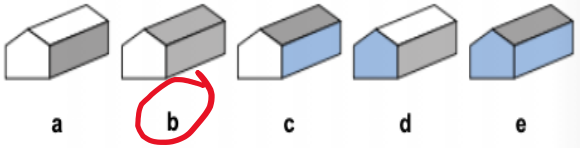
10. 



11. 



12. 



13.