

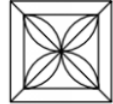
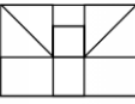
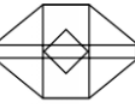
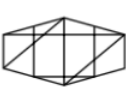

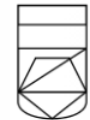

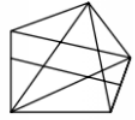





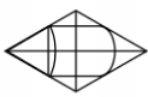




# T6 S4 Spatial Reasoning



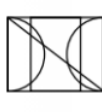

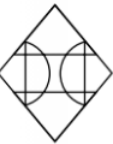
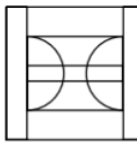
You have **10 minutes** to do this test. Circle the letter for each correct answer.







Work out which option contains the hidden shape shown. It should be the same size and orientation.

1.  |     

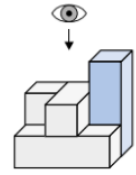
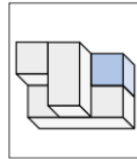
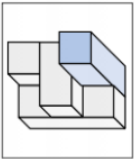
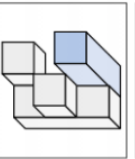
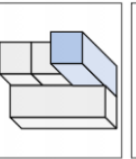
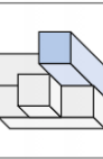
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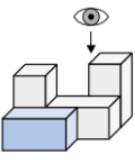
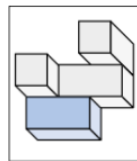
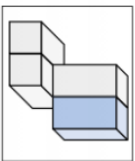
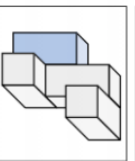
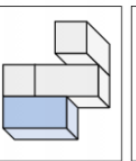

3.  |     

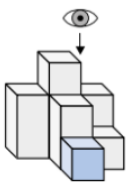
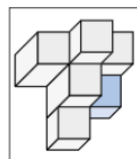
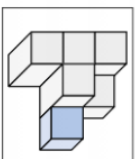
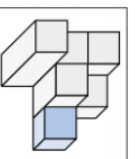
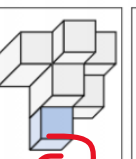
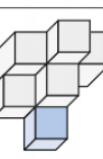
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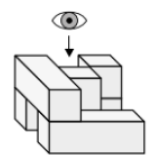
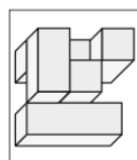
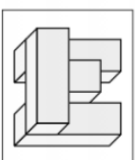
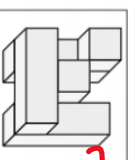
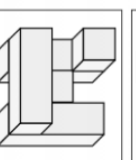

5.  |     

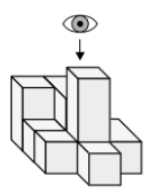
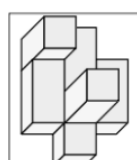
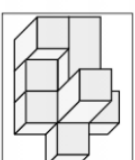
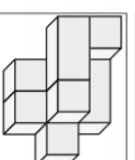
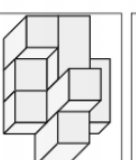

Work out which option is the 3D figure viewed from **above**.

6.  |     

7.  |     

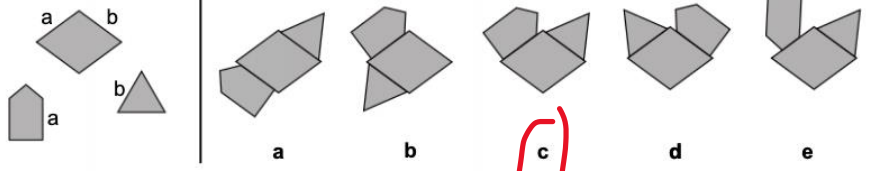
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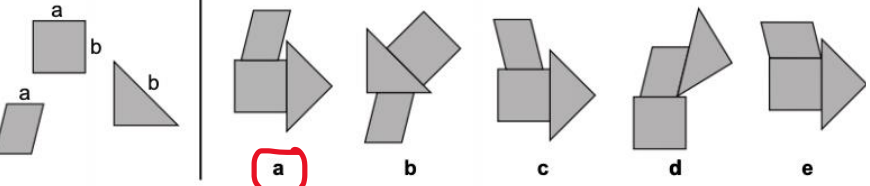
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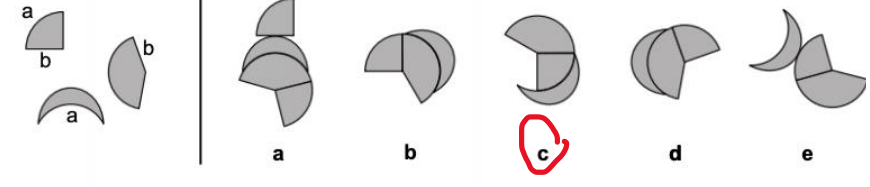
10.  |     

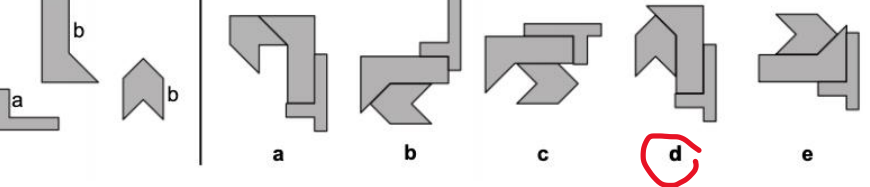
You have **10 minutes** to do this test. Work as quickly and accurately as you can.

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

11. 

12. 

13. 

14. 

1. It takes Amber 41 minutes to get home from work. She gets home at 6:08 pm. What time does Amber leave work?

Answer: 5:27

2. Eliza is selling bottles of strawberry and banana smoothie. She needs to make sure that the amount of smoothie in each bottle is 1000 ml when rounded the nearest 100 ml. Eliza's friend Arizona tells her that one of the bottles will not round to this amount. Which of these is Arizona referring to? Circle the correct option.

- A 1003 ml      C 968 ml      **E** 1055 ml  
 B 1045 ml      D 955 ml

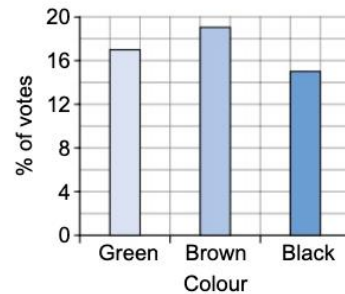
3. Mateo is thinking of a regular polygon. What is the difference between its number of lines of symmetry and its number of sides? Circle the correct option.

- A** 0  
 B 2  
 C 4  
 D 5  
 E Not enough information to know

4. Betty does 30 minutes of yoga 5 times a week. How many minutes of yoga does she do in 8 weeks?

Answer: 1200 minutes

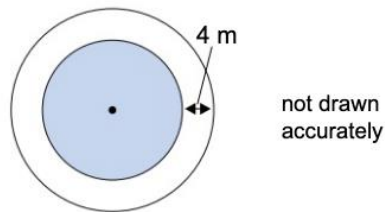
5. A school votes on what colour they would like their new school tie to be. The results are put in the bar chart.



Why is the bar chart misleading?  
Circle the correct option.

- A** No one would choose brown.  
**B** The colours aren't in order.  
**C** Not all the votes are shown on the graph.  
**D** The numbers go up in 4s.  
**E** The percentages should be on the horizontal axis.

6. A party planner has designed a dance floor made up of white and blue circles. Both circles have the same centre, as shown in the diagram below.



If the whole dance floor has a diameter of 30 m, what is the radius of the blue part of the dance floor?

Answer: 11 m

7. At a parents' evening, a teacher sees 20 sets of parents, each for the same amount of time, without any breaks. If the parents' evening is 2 hours 40 minutes long, how long does the teacher see each set of parents for?

Answer: 8 minutes

8. At Mr Plank's building firm, qualified builders get paid three times as much per day as apprentice builders. Mr Plank has 7 apprentice builders and altogether their wages total £210 per day. The total of the qualified builders' wages per day is £630. How many qualified builders work at the firm?

Answer: 7

9. Darren is driving and sees the sign below. It shows the distance in km to six towns that are all along the same straight road.

Arch	22
Barne	32.5
Copp	39
Drise	41.5
Ertton	45.5
Flynn	50

Which two towns are the same distance from Copp? Circle the correct option.

- A** Arch and Drise      **C** Barne and Drise      **E** Arch and Flynn  
**B** Arch and Ertton      **D** Barne and Ertton

10. A bakery is planning to expand their business. They use the formula  $5n^2 - 3n$  to work out how many scones they aim to have sold in total by the end of each day, where  $n$  stands for the number of days since the bakery started expanding. How many scones do they aim to have sold in total by the end of the 10<sup>th</sup> day?

Answer: 470

**T6 S4 English**

You have **10 minutes** to do this test. Work as quickly and accurately as you can.

This passage contains some punctuation mistakes.  
Write the passage out again with the correct punctuation.

1. Are you sure that you just want some new comics Kyle asked "We have plenty of time to look at all of the stickers models, bouncy balls and posters as well."

**"Are you sure that you just want some new comics?" Kyle asked. "We have plenty of time to look at all of the stickers, models, bouncy balls and posters as well."**

2. *Although the sheep belonged to Nathan, the cows were Sheilas'.*  
What is wrong with the sentence above?  
Tick the box next to the correct answer.

- A The comma is in the wrong place.
- B There should be a colon.
- C The apostrophe is in the wrong place.
- D Nathan needs an apostrophe.

10. *Beth the new driver was hungry: she hadn't eaten since lunchtime.*  
Rewrite the sentence above, correcting any punctuation mistakes.

**Beth, the new driver, was hungry: she hadn't eaten since lunchtime.**

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.

3. The gravel driveway crunched as gavin drove up in his new automobile.  
A B C D N
4. He was pleased with his purchase: the salesman had given him a good discount.  
A B C D N
5. "What have you done?" demanded Gavin's wife when he got out of the vehicle.  
A B C D N
6. "Dont you like it?" he asked. "I had to buy it — I've wanted one for years."  
A B C D N
7. A smile crept across her face as she replied, "But Gavin, it's an ice cream-van!"  
A B C D N
8. Gavin could tell she wasn't really angry. He smiled warmly and began planning  
A B C D N
9. his route for tomorrow in his head. He had an awful lot of ice cream to sell.  
A B C D N

11. "Look at that" shouted Nisha to her brother excitedly!  
Rewrite the sentence above, correcting any punctuation mistakes.

**"Look at that!" shouted Nisha to her brother excitedly.**

12. Which of the sentences below uses commas correctly?  
Tick the box next to the correct answer.

- A The lorry, which was speeding, crashed, into the barrier.
- B Miss Orin liked to draw, paint, read, and run, in her free time.
- C Yesterday, before drawing a picture, Mandy sharpened her pencils.
- D "Get out of the way!" shouted James, as he ran, down the street.

13. Which of the sentences below uses apostrophes correctly?  
Tick the box next to the correct answer.

- A There wasn't room on Ross's cast for all the staff's signatures.
- B The dogs won't wear their harness' because they're uncomfortable.
- C You're magic tiara must've been made by a witch's spell.
- D The companies' wouldn't stock Matts' new product.

### T6 S4 Verbal Reasoning

Work as quickly and as accurately as you can.

Three of the words in each list are linked. Underline the two words that are not related to these three.

**Example:** dog    cat    fox    gerbil    badger

1. mansion    manor    shack    castle    cabin
2. goat    kitten    foal    cow    piglet
3. vivid    muted    pastel    vibrant    bright
4. agitated    distressed    indifferent    flustered    passive
5. elegant    boastful    refined    pompous    graceful

Underline a word from the first set, followed by a word from the second set, that go together to form a new word.

**Example:** (blow    high    blue)    (sky    bell    shoe)    (The word is **bluebell**.)

6. (toe    body    hill)                      (guard    holed    lock)
7. (hand    life    disc)                      (content    stile    made)
8. (pay    pass    out)                      (meant    word    time)
9. (down    up    side)                      (spiral    jump    kick)
10. (water    river    stand)                      (of    tight    bead)

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

11. (wilderness waste) (quit flee) escape jungle squander ditch desert
12. (fresh innovative) (fiction tale) original novel peculiar anecdote verse
13. (further promote) (speed hurry) campaign rush boost advance urge
14. (shove push) (boat ship) barge raft launch press thrust
15. (batter smack) (throb pulse) vibrate knock pound shatter pump

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

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

16. The police won't let the thief **ESE**. ( CAP )
17. The project was still in its **INCY**. ( FAN )
18. The problem needs to be **COMTED** urgently. ( BAT )
19. The table is in the shape of an **OCTN**. ( AGD )
20. The film **PUCER** is working on a new movie. ( ROD )

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

**Example:** (angry hot excited) (cough cold shiver)

21. (feeble lacking flat) (sturdy active flawed)
22. (poignant muscular bold) (bashful irrational idle)
23. (prevention captivity prisoner) (culprit immunity liberty)
24. (overcast sombre tedious) (triumphant cheerful lavish)