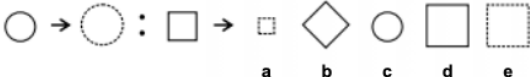
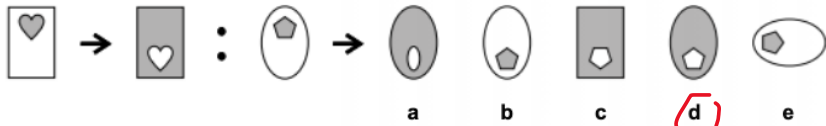


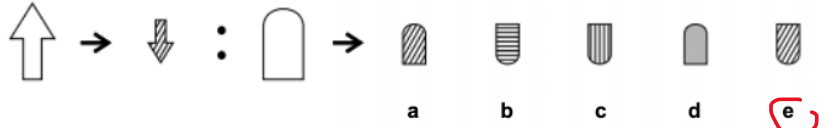
Homework Term 6 Session 6 – Non-Verbal

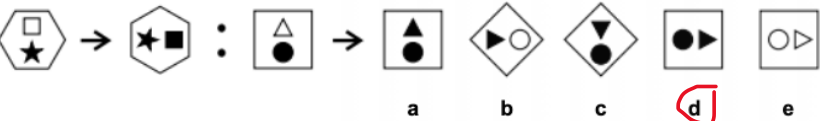
Section 1 — Complete the Pair


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.


Example:  **Answer: e**

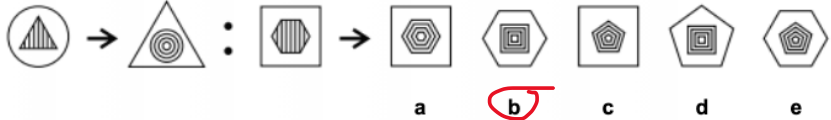
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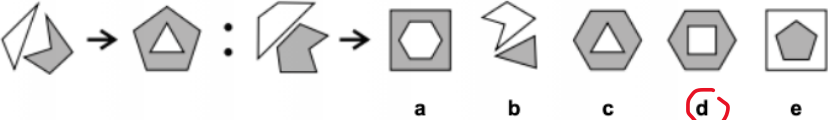
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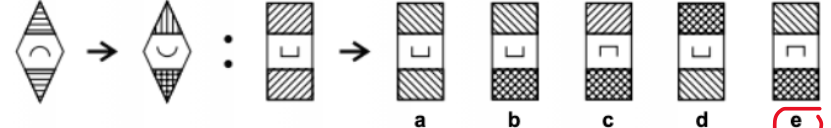
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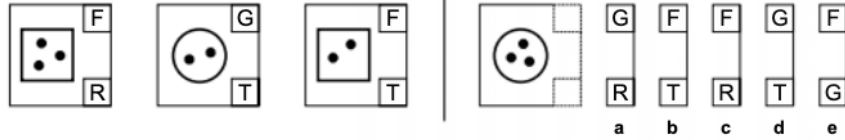
9 

10 

Section 2 — Horizontal Code

In the boxes on the left are shapes with code letters. The top letters have a different meaning to the bottom ones. Work out how the letters go with the shapes and then find the code for the new shape from the five codes on the right.

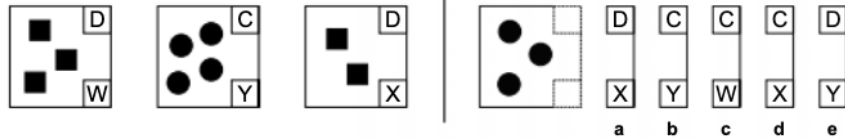
Example:



Answer: a

Both squares have an F at the top, but the circle has a G, so the top code letter must stand for shape. This means that the bottom code letter must be for the number of dots. R is for 3 dots and T is for 2 dots. The new figure must have a G because it is a circle and an R because it has 3 dots. The code must be GR and the answer is a.

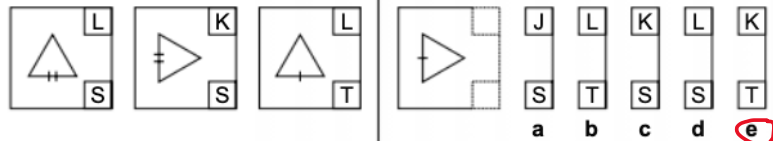
Example:



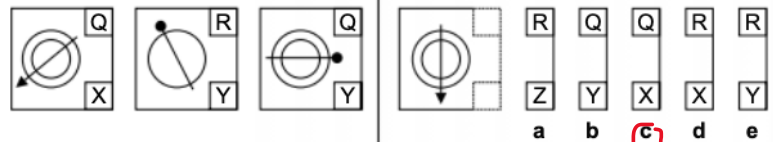
Answer: c

Both figures with squares have a D at the top, and the figure with circles has a C, so the top code letter must be for shape. The bottom code letter must be for the number of shapes. W is for 3 shapes, Y is for 4 and X is for 2. The new figure must have a C because it is made of circles and a W because there are 3 of them. The code must be CW and the answer is c.

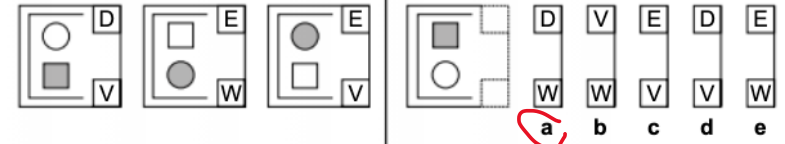
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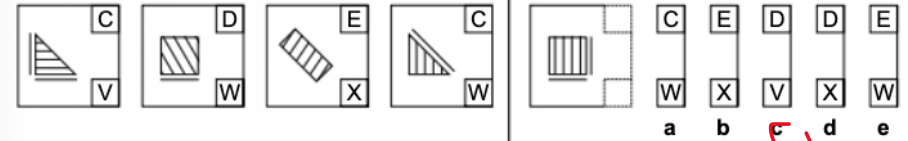
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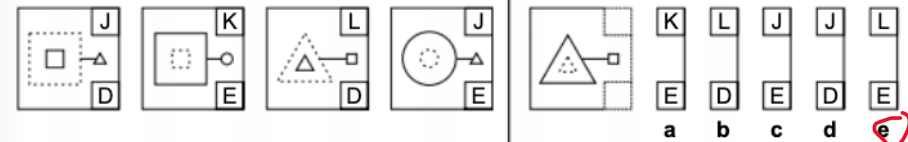
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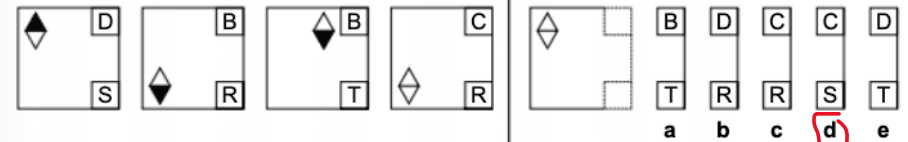
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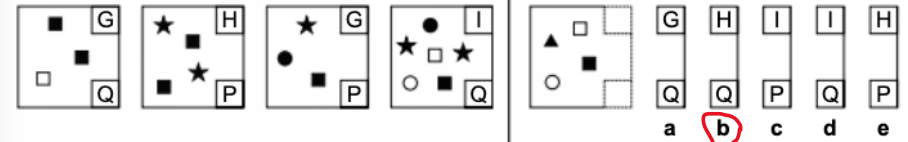
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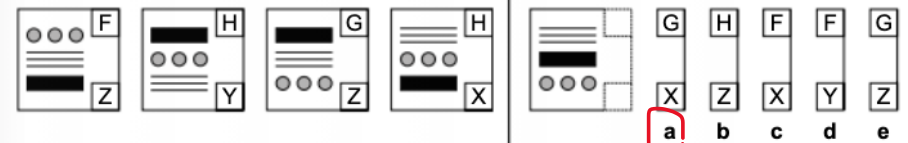
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7



8



Homework Term 6 Session 6 – English

Choose the right word or phrase to fill the gap. Circle the letter which matches the correct word.

25. Eleni **thinks thought has thought thought thinking** it would be easy to make a campfire.
 A B C D E
26. Earlier, she had collected a pile of sticks **which what who how when** she had arranged into a
 A B C D E
27. wigwam shape. But they **must of must have must should would have** been damp because
 A B C D E
28. they refused to catch fire. Then, Eleni **saw see seen sawed seed** a plume of smoke rising
 A B C D E
29. from one corner. She added **all more fewer most none** twigs to the pile. Suddenly
 A B C D E
30. the flames seized hold **and but at if until** the fire was alive!
 A B C D E

/ 6

In this passage, there are some punctuation mistakes. Circle the letter which matches the part of the sentence with the mistake. If there's no mistake, circle N.

31. Whenever we go for a walk in the woods, Dad likes to lecture us on the surroundings. This
 A B C D N
32. time it was on the way leaves turn brown in autumn: whereas last time we estimated the
 A B C D N
33. height and age of the biggest trees. When he declared, "We're going to Brook Valley today,"
 A B C D N
34. Mita and I groaned: Brook Valley was by far the furthest, trail from the car park! We
 A B C D N
35. deliberately dashed off in the opposite direction, racing each other to be first up the hill
 A B C D N

/ 5

In this passage, there are some spelling mistakes. Circle the letter which matches the part of the sentence with the mistake. If there's no mistake, circle N.

36. Although the pantomime wasn't dew to start until 2 pm, we left in plenty of time.
 A B C D N
37. (Trudy was worried about finding a decent place to park near the theatre.) It was a good idea,
 A B C D N
38. because the snow was really thick and the traffick was crawling at a snail's pace. We
 A B C D N
39. discovered a splendid space just behind a restaurant, close to the entrence. But, getting out
 A B C D N
40. of the car, Dad slipped and hurt his ankle. He didn't complane much and enjoyed the show.
 A B C D N

/ 5

Homework Term 6 Session 6 – Verbal

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. **Either** mark the letter that moves on the answer sheet, **or** write the two new words on the lines.

Example: spell ink (sell) (pink)

- | | | | |
|----------|-----|---|-----------|
| 1. brain | ark | (| Rain bark |
| 2. fared | are | (| Fare dare |
| 3. frame | ice | (| Fame rice |
| 4. blown | pat | (| Blow pant |
| 5. caper | pot | (| Cape port |

Find the missing number to complete each sum.

Example: $10 + 5 = (\underline{15})$

6. $17 - 12 = 10 - (\underline{5})$
7. $6 + 6 = 4 \times (\underline{3})$
8. $19 + 2 = 3 \times (\underline{7})$
9. $1 + 22 = 25 - (\underline{2})$
10. $7 \times 4 = 2 \times (\underline{14})$

The number codes for three of these four words are listed in a random order. Work out the code to answer the questions.

FAKE LACK KALE FLEA
1234 1642 6253

11. Find the code for the word **KALE**. (3264)
12. Find the code for the word **KEEL**. (3446)
13. Find the word that has the number code **5214**. (L a f e)

The number codes for three of these four words are listed in a random order. Work out the code to answer the questions.

HOST SHIN TOSH HINT
2136 1425 1365

14. Find the code for the word **TOSH**. (5421)
15. Find the code for the word **NITS**. (6352)
16. Find the word that has the number code **5132**. (5 i s)

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

Example: pen pencil paper card crayon

17. work think sing shout chat
18. kitchen garden garage bedroom study
19. cup glass plate spoon beaker
20. badminton netball tennis football basketball
21. hail steam air rain snow
22. man girl boy lady child

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

23. Charlotte, Nikhil, Hannah, Carlos and Jamie all do different activities. Charlotte and Nikhil go to French Club after school on Monday. Hannah goes horseriding on Saturday morning with Carlos and Jamie. Jamie and Nikhil go swimming every Sunday. Hannah and Charlotte go to netball on Tuesday. Hannah goes swimming straight after that.

Who does the **fewest** activities? (Carlos)

24. Tom, Arushi, Lily, Abdul and Elsie all use mobile phones. They all use them for texting, except Arushi. Abdul, Lily and Tom use their phones to call friends. Elsie isn't allowed to use hers to make calls. Arushi and Abdul play games on their phones.

Who does the **most** things on their phone? (Abdul)

Homework Term 6 Session 6 – Maths

1. What is the smallest number that can be made by writing the digits 5, 9 and 0 in these boxes? Use each digit only once.

·

Answer: _____

2. The tally chart shows the points awarded to four teams in a quiz. How many points did Team 4 get?

| Team | Number of Points |
|------|------------------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |

Answer: 28

3. The 11 digits in Shazim's telephone number add up to 40. The last two digits add up to 10. Some of the digits in Shazim's telephone number are shown on the right.

07070 3_642_

What are the two missing digits?

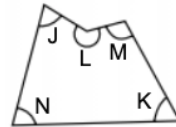
- A 5 and 6 C 4 and 8 E 2 and 8
B 4 and 7 **D 3 and 8**

4. A regular pentagon has a perimeter of 65 mm. What is the length of one side?

Answer: 13 mm
 $65 \div 5$

5. Look at the shape on the right. Which angle is a reflex angle?

Answer: L



6. How many seconds are there in one hour?

- A 60 B 1440 C 1800 **D 3600** E 2400

7. The table shows the films shown by a cinema in a year. Steph is 10 years old, and only watches action films or comedy films. She is only allowed to go and see films with a U or PG rating.

| Rating | Type of Film | | |
|--------|--------------|-------|--------|
| | Comedy | Drama | Action |
| U | 15 | 14 | 7 |
| PG | 11 | 17 | 8 |
| 12 | 13 | 26 | 4 |
| 15 | 18 | 44 | 4 |

How many different films could Steph go and watch at this cinema in a year?

Answer: 41

8. A shop has reduced the price of all its CDs by 20% in a sale. If CDs usually cost £10 each, how much will it cost to buy three CDs in the sale?

Answer: £ 24

$10\% \text{ of } £10 = £1$
 $20\% = £2$
 $1 \text{ cd} = £8 \times 3$

9. Which of the following is 690?

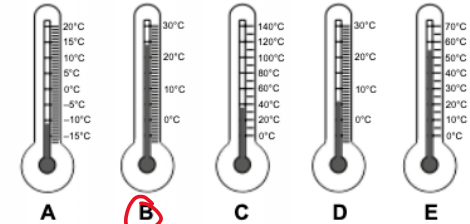
- A 672 rounded to the nearest 10. **D 694 rounded to the nearest 10.**
B 683 rounded to the nearest 10. E 688.5 rounded to the nearest whole number.
C 703 rounded to the nearest 10.

10. Elsie is 4 years old and her grandmother is 4³ years old. How many years older than Elsie is her grandmother?

Answer: 60
 $4 \times 4 \times 4 = 64$ $64 - 4$

11. The temperature outside is -4 °C. The temperature inside is 28 °C warmer. Which thermometer shows the temperature inside?

$-4 + 4 = 0$ $0 + 24 = 24$

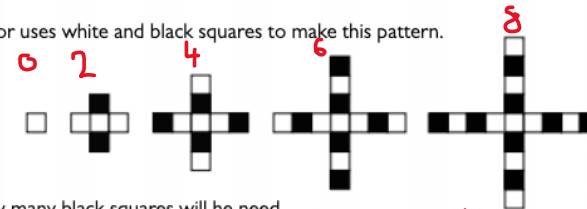


12. Kelly buys six eggs, two bottles of milk and one packet of cheese from the Farm Shop. What is the total cost?

| Farm Shop | |
|-----------|----------|
| Eggs | 6 for £1 |
| Rolls | 69p each |
| Milk | 99p |
| Cheese | £2.29 |

- A £4.27 **C £5.27** E £5.37
B £4.97 D £6.97

13. Victor uses white and black squares to make this pattern.



How many black squares will he need to make the next shape in the pattern? Answer: 10

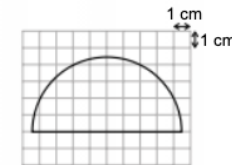
14. Luke is thinking of a number. He gives these clues about his number:

1. It is a multiple of 3. 2. It is a factor of 90.

Which of the following could be Luke's number?

- A 24 B 16 C 4 **D 30** E 10

15. Zuzanna drew this semi-circle on a grid. Each square on the grid is 1 cm².



Which of the following is the best estimate for the area of the semi-circle?

- A 30 cm²** D 10 cm²
B 20 cm² E 35 cm²
C 40 cm²

16. $930 + 5 = 186$
 What is $310 \div 5$? Answer: 62

17. The pictogram on the right shows the colour of every car that passed a school in 10 minutes. What was the ratio of red cars to silver cars?
 Answer: 4 : 1

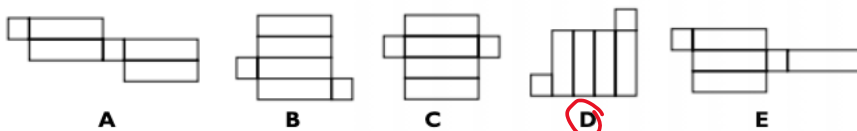
| Colour | Number of Cars |
|--------|----------------|
| Red | |
| Black | |
| Silver | |
| Blue | |
| White | |

= 2 cars

18. $Z > 211.55$
 Which of these numbers could be Z?
 A 210.95 B 209.99 C 211.48 D 122.66 **E 211.7**

19. What is the remainder when 709 is divided by 25?
 A 21 B 11 **C 9** D 1 E 3

20. Which of these nets will not fold up to make a cuboid?



21. Look at this sequence: 2.25, 1.75, 1.25, 0.75 ...
 What is the next number in this sequence?
 A 0.50 B -0.25 C -0.75 **D 0.25** E 1.25

22. A candle burns down by 2 cm every 13 minutes.
 How many minutes will a 30 cm candle burn for?
 A 260 minutes C 200 minutes E 780 minutes
B 195 minutes D 300 minutes

23. A return bus ticket to the museum costs 25p for a child and 99p for an adult.
 24 children are going to the museum with 3 teachers.
 What is the total cost of the bus fares?
 Answer: £ 8.97

24. A watering can holds 2000ml two litres of water.
 Jo has 100 tomato plants and each plant needs 160 ml of water. $100 \times 160 \text{ml} = 16000$
 How many times will Jo have to fill the watering can to water all of the plants?
 Answer: 8

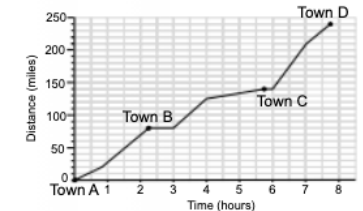
25. Clayton built the model on the right using cubes. Which of the options shows his model viewed from the back?

26. A recipe for 24 fairy cakes needs 200 g of butter. Joe has a 2.5 kg pack of butter.
 How many fairy cakes is this enough for?
 A 250 C 96 **E 300**
 B 500 D 144

27. The clock on the right shows the time five past twelve. Between this time and twenty-five past twelve, what angle will the minute hand turn through?
 $\frac{1}{3}$ of 360 Answer: 120



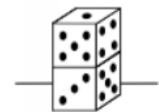
28. The graph on the right shows a family's journey through four towns. How far did they travel between Town C and Town D?
 Answer: 100 miles



29. A box contains chocolate bars with a total weight of 1.4 kg. Each bar of chocolate weighs 70 g.
 How many chocolate bars are there in the box?
 A 25 B 70 **C 20** D 16 E 2

30. This list shows the number of words in some maths questions: 27, 33, 38, 26
 What is the mean number of words in a question?
 A 25 B 28 **C 31** D 32 E 27

31. Megan places two dice on top of each other on a table as shown. The number of dots on the opposite faces of each dice add up to 7. She can see eight side faces and the face on the top. Megan counts all of the dots on the faces she can see.
 How many dots does she count?
 Answer: 29



32. A fridge uses 0.6 units of electricity each hour.
 How much electricity will it use if it is switched on for 150 hours?
 Answer: 90 units