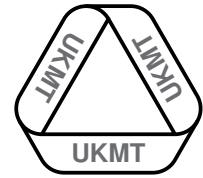


## Instructions

- Time allowed: 20 minutes.
- There are 15 questions to try to answer in the time allowed.
- Each question is worth *four* marks.
- Some questions are easier than others!
- You will have to decide your team's strategy for this competition. Do you split up so that individuals work on a few questions each, or do you work in pairs on a greater number of questions? Working all together on all the questions may well take too long. You decide!
- There is only one RESPONSE SHEET per team. Five minutes before the end of the time you will be told to finalise your answers and write them on to the RESPONSE SHEET. This RESPONSE SHEET is the only thing that will be marked.
- Each answer is one of the letters: A, B, C, D or E. Write the letter that corresponds to your answer on the RESPONSE SHEET.

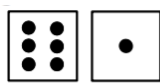


1. Baby Kanga is 7 weeks and 2 days old.

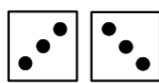
In how many days will Baby Kanga be exactly 8 weeks old?

- A 1                  B 2                  C 3                  D 4                  E 5

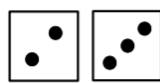
2. Amy, Bert, Carl, Doris and Ernst each roll two dice.



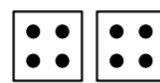
Amy



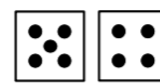
Bert



Carl



Doris



Ernst

Who rolled the largest total?

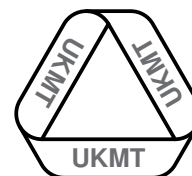
- A Amy                  B Bert                  C Carl                  D Doris                  E Ernst

3. Ahmed draws a picture of some triangles, circles and squares.

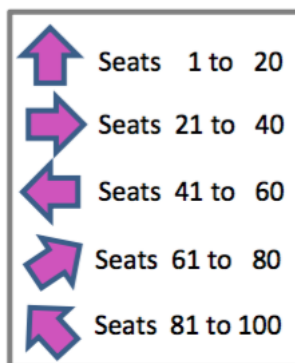


Which of the following statements about his picture is true?

- A There are more squares than triangles  
B There are fewer circles than triangles  
C There are as many circles as squares  
D There are twice as many circles as triangles  
E There are two triangles more than the total number of circles



4. Evie and her father go to a football match. They have seat numbers 71 and 72. The sign below shows directions to a range of different seat numbers.



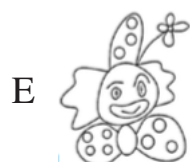
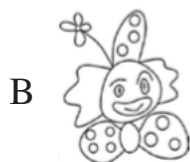
Which way should they go?



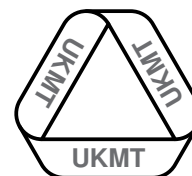
5. Pipo the clown looks at himself in the mirror.



What image does Pipo see?







9. Alex starts to write some numbers in a table. She decides that each row and column will contain the numbers 1, 2 and 3, exactly once.

1		
	2	

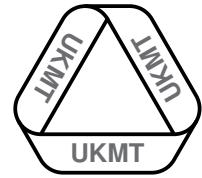
What is the sum of the numbers she will write in the shaded squares?

- A 2                      B 3                      C 4                      D 5                      E 6
10. Tim, Tom, and Jim are triplets (they are brothers who were all born on the same day in the same year). Their brother Jack is exactly three years older. What could be the sum of the ages of the four brothers?
- A 25                      B 27                      C 29                      D 30                      E 58
11. Five children each had a paper square, a paper circle, and a paper triangle. Each child placed their own papers in a pile, as shown.

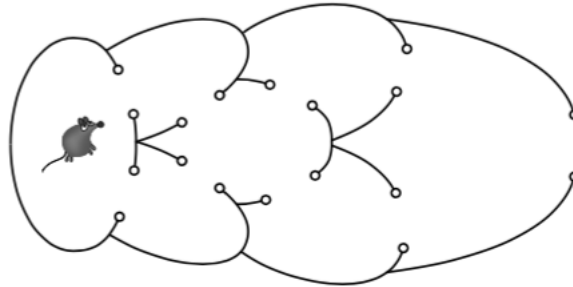


In how many cases is the square below the triangle?

- A 0                      B 1                      C 2                      D 3                      E 4



12. Squeaky the mouse wants to escape from the maze.



How many different routes can Squeaky take to escape without passing through the same opening more than once?

- A 3                      B 4                      C 5                      D 6                      E 7

13. Magic trees grow in a magic garden. Each tree has either 6 pears and 3 apples or 8 pears and 4 apples. There are 25 apples in total on the trees in the garden.

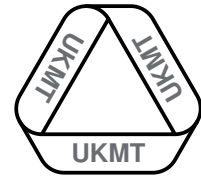
How many pears are in the garden?

- A 35                      B 40                      C 45                      D 50                      E 55

14. Nicky has lots of dogs. All the dogs have four legs and one nose. In total, her dogs have 18 more legs than noses.

How many dogs does Nicky have?

- A 4                      B 5                      C 6                      D 8                      E 9



15. Helen builds a bar of 27 bricks.



She breaks the bar into two pieces so that one piece is twice the length of the other. Then she takes one of the pieces and breaks it in the same way. She continues in this way.

Which of the following bars will she not be able to make by following this pattern?



