

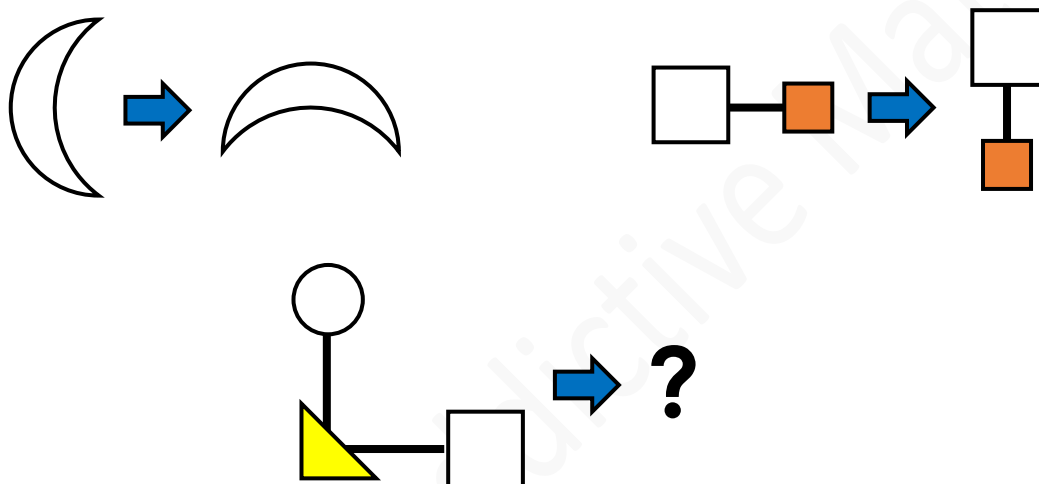
## Junior Maths Mastery Challenge Sample

### Paper K

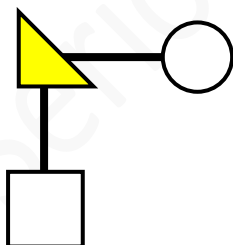
#### Section A

Questions 1 to 5 carry 3 marks each.

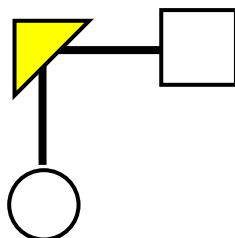
1. Study the figures below.



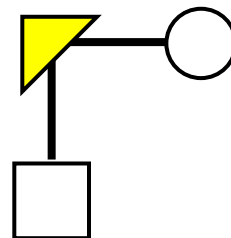
What is the missing figure?



(A)



(B)



(C)



2. Study the pattern below.

B D F H J L N P ...

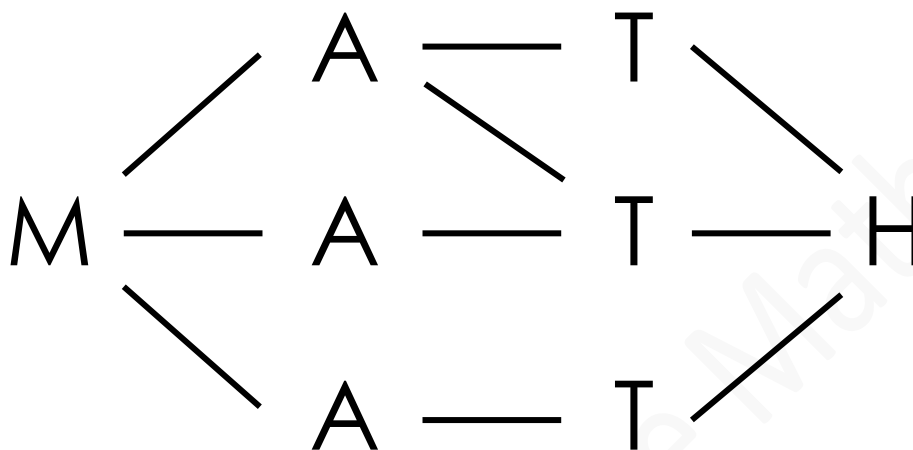
What letter comes next?

(A) Q

(B) R

(C) S

3. How many different ways can you form M–A–T–H in the diagram below?



(A) 3

(B) 4

(C) 5



4. Ken's birthday is on 25 May.  
It falls on a Friday in a certain year.  
Which day is it on 1 May?

(A) Monday      (B) Tuesday      (C) Wednesday

5. Study the number pattern below.

1 2 3 1 2 3 1 2 3 1 ...  
1st

Add up the first 15 numbers.  
What answer do you get?

(A) 5                      (B) 30                      (C) 50



## Section B

*Questions 6 and 7 carry 4 marks each.*

6. There are 25 children in a room.  
Mrs Tay wants to put the children into two groups.  
She lines up the children in a straight line.  
After she picks the 1st child, she continues picking every 3rd child for the first group.  
The rest are in the second group.  
How many children are in the second group?

(A) 12

(B) 13

(C) 16

7. The picture shows 2 boys, John and Peter, and 3 girls, Lisa, Sarah and Tina, running in a park.



[Scene Vectors by Vecteezy](https://www.vecteezy.com/free-vector/scene)

John is behind Sarah.  
Peter is in front of John.  
Tina is not the last.  
Which statement below is **not** correct?

- (A) Sarah is in the 1st position.
- (B) John is in the 2nd position.
- (C) Lisa is in the last position.