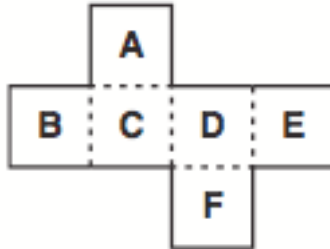


## Sample of HSFOL Problems – Year 6

1. What number comes next in this pattern? 1, 1, 3, 4, 5, 9, 7, \_\_\_\_

2. If Sally folds the net below into a cube, what face will be opposite face D?



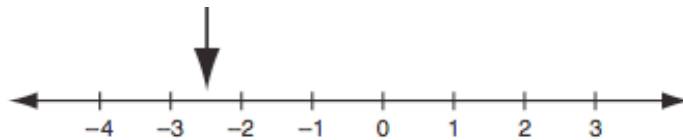
3. If today is Tuesday, what day will it be in 150 days' time?



4. If you randomly draw a card from a standard pack of playing cards, what is the probability that it will be a picture card?



5. What number is at the arrow on the number line below?



6. If a book's pages are numbered from 1 to 150, how many page numbers will include the digit 5?



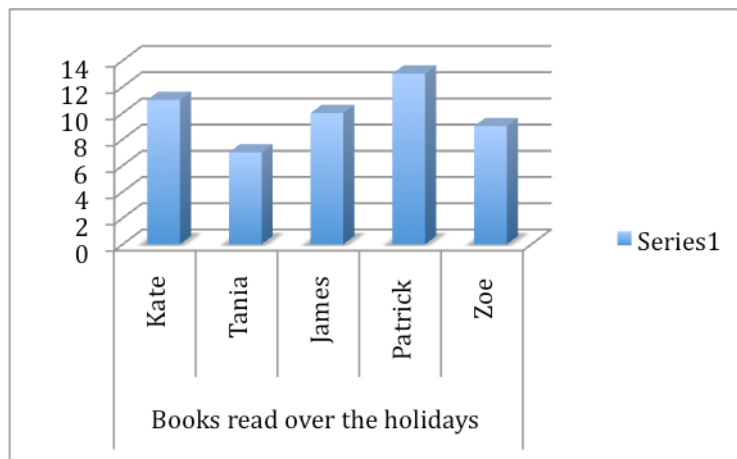
7. A light jacket was marked for sale at \$124, but the store allowed me 7.5% discount; so how much did I pay for the jacket?

8. To the nearest 10 degrees, what is the size of the acute angle between the hands of the clock below?



9. A rectangular garden has an area of 64 square metres. If its width is a quarter of its length, what is the perimeter of the garden?

10. Below is a graph of the number of books read by some Year 6 friends. Write TRUE or FALSE for each statement below the graph.



The boys read more books than the girls.

Patrick read 14 books.

Each read an average of 10 books.

Zoe read two more books than Tania.

No one read the average number of books that were read.