

# 11<sup>th</sup> iOM'18

## International Olympiad of Mathematics



Presented by:  
**SILVER  
ZONE  
FOUNDATION**  
NEW DELHI, INDIA

Organized by:  
**Mathematics Olympiad  
Foundation**  
New Delhi, India  
For supremacy in Mathematics  
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### CLASS : 3 (SYLLABUS & SAMPLE QUESTIONS)

Number Sense and Numeration, Operations on Numbers, Fractions, Time and Calendar, Money, Unitary method, Measurement (Length, Mass, Capacity), Geometrical Shapes, Data Handling, Pictograph and Bar Graph, Reasoning and Aptitude.

*The Actual Question Paper Contains 50 Questions. The Duration of the Test Paper is 60 Minutes.*

1. A, B, C and D are four points on a line. Distance between A and C is 20 metres and distance between B and D is 20 metres. If the distance between B and C is 8 metres. Find the distance between A and D?

(A) 30 m                      (B) 40 m  
(C) 32 m                      (D) 28 m  
(E) None of these

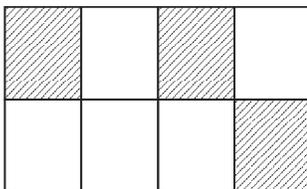
2. What number does  stand for?

If  +  = 786

and  +  = 600

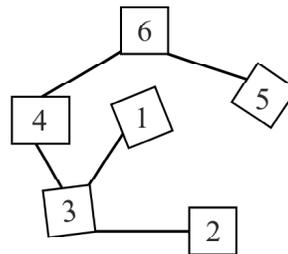
(A) 186                      (B) 972  
(C) 386                      (D) 486  
(E) None of these

3. From the given options, find the shaded parts of figure given below.



(A)  $\frac{3}{8}$   
(B)  $\frac{5}{9}$   
(C)  $\frac{7}{8}$   
(D)  $\frac{4}{9}$   
(E) None of these

4. In the following figure, Ankita multiplies the smallest and greatest number and then add the remaining numbers to the product. Find the result.



(A) 25  
(B) 18  
(C) 20  
(D) 28  
(E) None of these

5. In the year of 2007, 2000 students appeared in a competitive examination and this information was published by a newspaper as given below:

| Year | Appeared students |
|------|-------------------|
| 2006 | 1890              |
| 2007 | 2000              |
| 2008 | 1980              |

What is the difference between the total number of appeared students in the year of 2007 and 2006?

- (A) 189                      (B) 200  
(C) 120                      (D) 110  
(E) None of these
6. Robert has a wonderful machine. If you put any number in that machine, it first multiply the number by 4 then subtract 8 from the result and finally add 6. Steve puts 15 into the machine, what will be the result?
- (A) 58                      (B) 60  
(C) 62                      (D) 56  
(E) None of these
7. Difference between the face and place value of 6 in the number 567423 is:
- (A) 53994  
(B) 59996  
(C) 59994  
(D) 54994  
(E) None of these

8. The maximum time for the maths test paper is 45 minutes. If the test starts at 10:55 am, then at what time does it end?

(A) 9 : 40 a.m.            (B) 11 : 50 a.m.  
(C) 11 : 40 a.m.            (D) 11 : 55 a.m.  
(E) None of these

9. A fruit seller mentioned the following information in front of his shop, How much money does Peter required for 100 pieces of oranges?

| Rate List   |            |
|---|------------|
| Scale - One Fruit = 12 pices  |            |
| Apple    | =for ₹ 150 |
| Banana   | =for ₹ 130 |
| Orange  | =for ₹ 60  |

(A) ₹ 500                      (B) ₹ 600  
(C) ₹ 700                      (D) ₹ 800  
(E) None of these

10. Sehwaq hits 13 fours and 7 sixes. If he scored 101 runs, how many runs did he score by running between the wickets?

(A) 6                      (B) 17  
(C) 7                      (D) 13  
(E) None of these

### ANSWERS

1. (C)    2. (D)    3. (A)    4. (C)    5. (D)    6. (A)    7. (C)    8. (C)    9. (A)    10. (C)