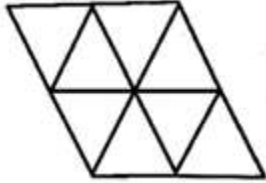




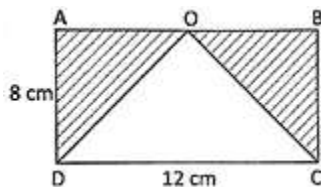
# CREST Olympiads – A digital initiative to enhance practical knowledge

4. How many triangles are there in the following figure?



- (a) 8  
(b) 9  
(c) 10  
(d) 12
- 

5. In the following figure, ABCD is a rectangle. If O is the mid-point of the side AB. Find the area of the shaded region.



- (a)  $40 \text{ cm}^2$   
(b)  $48 \text{ cm}^2$   
(c)  $56 \text{ cm}^2$   
(d)  $60 \text{ cm}^2$
- 

6. Read the following sentences carefully:  
I. A set of points which lie on the same line are called collinear points.  
II. A set of points at different distances from a fixed point is a circle.  
III. A set of points which do not lie on the same line are called non-collinear points.  
Which of the following is true?

- (a) Only (I)  
(b) Only (II)  
(c) Only (I) and (III)  
(d) Only (II) and (III)
- 

7. If Jina reads 90 pages a day, it will take her more than 4 days to finish reading a book. If she reads 80 pages a day, she will take less than 5 days. If the number of days Jina takes to finish reading is the same as the number of pages she reads every day, how many pages must she read every day?

- (a) 15  
(b) 18  
(c) 19  
(d) 21
-

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8. The table shows the number of students in five classes. Each student donated Rs. 255 to the foundation. How much money did they donate altogether?

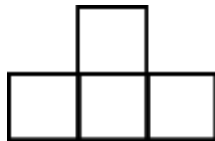
Class	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>
Number of Students	39	47	59	43	69

- (a) Rs. 65,535                      (b) Rs. 45,890  
(c) Rs. 73,655                      (d) Rs. 59,905

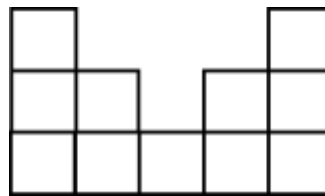
## Achiever's Section

9. There are 3 numbers. The third number is the greatest. When the third number is divided by the second number, the quotient is 4. The difference between the second and third number is 654. If first number is 109 more than the second number, then find the first number.
- (a) 109                                      (b) 327  
(c) 218                                      (d) 872

10. Figures A and B are made up of identical squares. If the perimeter of Figure A is 25 cm, what is the perimeter of Figure B?



A



B

- (a) 25 cm  
(b) 50 cm  
(c) 100 cm  
(d) None of the above

## Answers

1. (d), 2. (c), 3. (b), 4. (c), 5. (b), 6. (c), 7. (c), 8. (a), 9. (b), 10. (b).