



3. The prime numbers between 60 and 69 are: [2]

- (A) 63 and 69 (B) 61 and 67  
(C) 60 and 65 (D) None of these

4. The Smallest, odd number of three digits is \_\_\_\_\_ [2]

- (A) 99 (B) 999  
(C) 101 (D) None of these

5. The seed of this mango is 20 % of its total mass, the mass of the mango is 300g. [2]



- What is the mass of the seed?  
(A) 15g (B) 30g  
(C) 60g (D) 280g

6. Kiran collected some spiders and some ants in her garden [2]

Each spider had 8 legs and each ant had 6 legs. She collected 8 animals altogether and they had a total of 58 legs.

How many ants did Kiran collect?

- (A) 2 (B) 5  
(C) 3 (D) 8

7. All these numbers can be divided by same “**Magic**” number without leaving a remainder. [2]

**182 273 286 429**

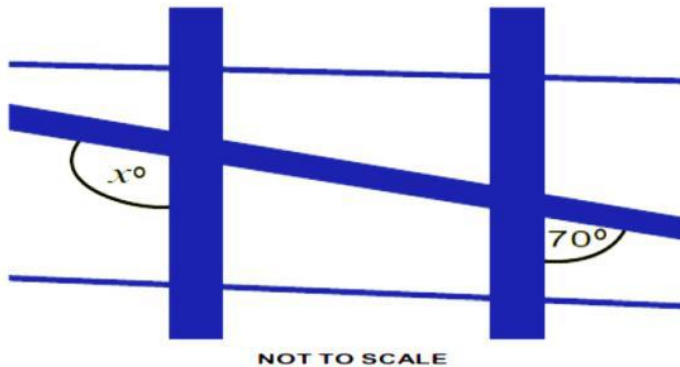
What is the magic number?

- (A) 3 (B) 7  
(C) 11 (D) 13

8. Fatima bought a model of Minar-e-Pakistan that is one-third taller than her height. Fatima is 156 cm tall, what is the height of a model of Minar-e-Pakistan? [2]

- (A) 208 cm (B) 189 cm  
(C) 104 cm (D) 52 cm

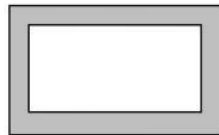
9. The map shows the angles between some roads in a town. Two of the large roads are head due north. [2]



Find the value of  $x$ .

- (A) 70 (B) 20  
(C) 110 (D) 160

10. Find area of shaded part if the area of larger rectangle is  $1750 m^2$  and the area of smaller rectangle  $1350 m^2$ . [2]



- (A)  $3100 m^2$  (B)  $750 m^2$   
(C)  $400 m^2$  (D)  $350 m^2$

11. Perfect square roots between 250 and 300 are: [2]

- (A) (252, 289) (B) (262, 279)  
(C) (256, 289) (D) None of these

12. If two angles are said to be supplementary angles and one of the angles is  $122^\circ$  then other angle should be. [2]

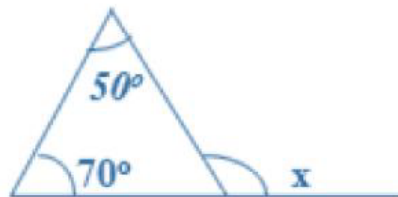
- (A)  $35^\circ$  (B)  $58^\circ$   
(C)  $60^\circ$  (D)  $32^\circ$

13.  [2]

Which of the width of rectangle?

- (A) 4 cm (B) 5 cm  
(C) 40 cm (D) 50 cm

14. What is the value of  $x$ ? [2]



- (A)  $50^\circ$  (B)  $70^\circ$   
(C)  $120^\circ$  (D)  $180^\circ$

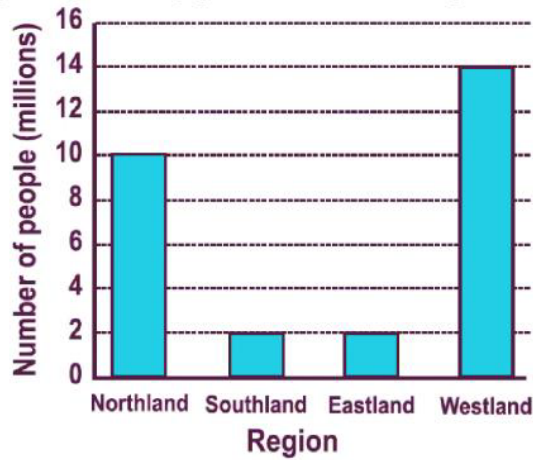
15. The area of square whose perimeter is 4m. [2]

- (A)  $1m^2$  (B)  $2m^2$   
(C)  $4m^2$  (D)  $3m^2$

16. If  $4x + 13 = 7 - 2x$ , what is the value of  $x$ ? [2]

- (A)  $-1$  (B)  $1$   
(C)  $\frac{-10}{3}$  (D)  $-3$

17. Naila drew this graph to show the population of the four regions in her country. [2]



She wants to put same information in sector (pie) graph.

What angle should Naila use to represent the population of westland?

- (A)  $64^\circ$  (B)  $90^\circ$   
 (C)  $150^\circ$  (D)  $180^\circ$

18.  $\left(\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}\right)^0 \times \sqrt{49} = ?$  [2]

- (A)  $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$  (B) 49  
 (C) 0 (D) 7

19. Mode of the data 13, 16, 12, 14, 19, 12, 14, 13, 14 is: [2]

- (A) 14 (B) 12  
 (C) 19 (D) 13

20. If  $A = \{0, -1, 2\}$  and  $B = \{e, f, g\}$  then  $A \cap B =$  \_\_\_\_\_ [2]

- (A)  $\{\emptyset\}$  (B)  $\{0, -1, 2, e, f, g\}$   
 (C)  $\{\}$  (D) None of these.