

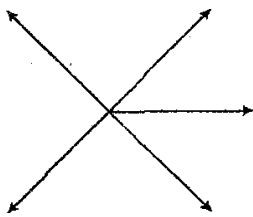


Olympiad Aptitude Test Mathematics- Grade VI

1. In 2010, Ganesh fund lost Rs. 9000. In 2011, it lost another Rs. 10000 and in 2012, it lost Rs. 17000. In 2013, it gained Rs. 16000 and in 2014, it gained Rs 12000. How much does he have at the end?
- Loss of Rs.2000
 - Gain of Rs. 5000
 - Loss of Rs. 8000
 - Gain of Rs. 10000

2. The top of a cliff overlooking the ocean is 1050 ft above sea level. The sea floor at the foot of the cliff is 40 ft below sea level. A rock falls of the cliff and drops to the sea floor. What is the correct expression to represent the distance between rock and the top of the cliff?
- 40-1050
 - 40-1050
 - 1050-40
 - 1050-(-40)

3. Number of angles formed in the given figure is



- 2
- 3
- 4
- 5

Directions (Q. Nos. 4-5) The publishing house needs some leaflets to advertise his business

The printer gives him the following list of cost.

	Cost	
I	Basic setting up charge	Rs. 5,000
II	First 500 leaflets	Rs. 50 per 100 leaflets
III	Extra leaflets above 500	Rs. 80 per 100 leaflets

4. Which formula show the cost of printing 1000 leaflets?
- $5000 \times 5 + 50 + 80$
 - $5000 + 50 + 80$
 - $5000 + 50 + 80 \times 5$
 - $5000 + 5(50 + 80)$

5. The publisher can afford to spend Rs. 6250 on printing. How many leaflets can he get for this?
- 1200
 - 1750
 - 1800
 - 2000

6. Langkawi cable care upon reaching the middle station reaches a height of 650 m above sea level although the top station is at an altitude of 708 m from the sea level. How can we represent the above heights respectively?
- 650 m and -708 m
 - 650 m and 708 m
 - 650 m and -700 m
 - 650 m and 708 m

7. 14 men can do a piece of work in 24 days. How many man will be required if the work is to be complete in 16 days?

- 21
- 27
- 28
- 6

8. Raghav, Vandana and Eva are given Rs. 520.They decide to divide the money in the ratio of their ages, 10:9:7. How much money does Vandana got?

- Rs.200
- Rs.180
- Rs.140
- Rs.270

9. A shopkeeper has money to buy 50 items costing Rs. 525 each. If cost of each item increases by Rs. 100, the number of items he can buy is

- 40
- 45
- 42
- Can't be determined

10. Andrew weighs $(x + 3)$ kg. Catherin weighs 2 kg less than Andrew. Bendrick weighs 1 kg more than Catherin. What is the total mass of the three boys?

- a. $3x + 2$ kg b. $x + 3$ kg
 c. $3x + 6$ kg d. $2x + 6$ kg

11. Lara is sending two packages to her home town, one weight 13 kg 720 g and the other weight half as much as the first one. What is the total weight in bags of the two packages?

- a 18.72 kg b 20.58 kg
 c 15.72 kg d 20.68 kg

Directions (Q. Nos.23-24)

In a sports day organised by a school, students participated in different sports. The students who participated in 100 m race are 284 in number, while the number of students who participated in basketball are 246, the number of students who participated in volleyball are 142 and the ones who participated in long jump are 72.

12. The ratio of the students who participated in volleyball to the ones who participated in long Jump is

- a. 12 : 41 b. 2 : 1
 c. 71 : 36 d. 123 : 142

13. The ratio of the students who participated in race and basketball to the total number of students who took part in sports day is

- a. 71:372 b. 372:265
 c. 89 :186 d. 265 : 372

14. Michelle is now $24p$ yr old. She is thrice as old as Ben. What was their total age 4 yr ago?

a	$30p-4$	c	$30p+4$
b	$32p-8$	d	$24p-8$

15. Make the greatest and the smallest four-digit number using any four-digits number with digit 5 always at thousand place.

- (a) 5986, 5012
 (b) 5987, 5012
 (c) 5999, 5000
 (d) 5789, 5120

16. Estimate $734+998$ by rounding off the nearest tens

- (a) 1730 (b) 1740
 (c) 1750 (d) 1760

17. A _____ of a circle is a line segment joining any two points on the circle

- (a) radius (b) diameter
 (c) circumference (d) chord

18. What is the length of the garden if area of rectangular garden of width 60 m is 300 sq.m

- (a) 900 m (b) 90 m
 (c) 18 m (d) 5 m

19. Area of rectangular garden of 50 m broad is 300 sq. m, the length of garden is

- (a) 250 m (b) 6m
 (c) $6m^2$ (d) 60m

20. In a bar graph bars are made _____

- a. Horizontally
 b. vertically
 c. sometime horizontally some time vertically
 d. oblique