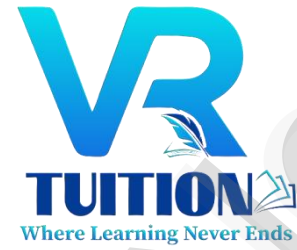


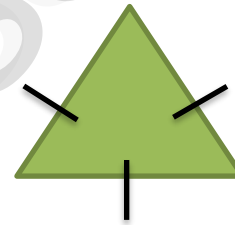
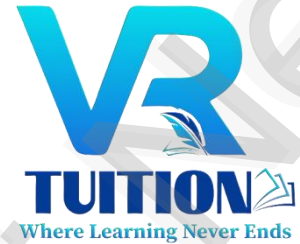
**VR TUITION CENTRE , THENPATHI, SIRKALI**  
**6<sup>TH</sup> ONE- MARK QUESTION BANK**  
**FILL IN THE BLANK**



1. The number of prime numbers between 11 and 60 is \_\_\_\_\_.
2. The numbers 29 and \_\_\_\_\_ are twin primes.
3. 3753 is divisible by 9 and hence divisible by \_\_\_\_\_ .
4. The number of distinct prime factors of the smallest 4 digit number is \_\_\_\_\_.
5. The sum of distinct prime factors of 30 is \_\_\_\_\_.
6. The HCF of 45 and 75 is \_\_\_\_\_.
7. The HCF of two successive even numbers is \_\_\_\_\_.
8. If the LCM of 3 and 9 is 9, then their HCF is \_\_\_\_\_.
9. The LCM of 26, 39 and 52 is \_\_\_\_\_.
10. The least number that should be added to 57 so that the sum is exactly divisible by 2,3, 4 and 5 is \_\_\_\_\_.
11.  $250 \text{ ml} + 1 / 2 \text{ l} = \text{_____} \text{ l}$
12.  $150 \text{ kg } 200 \text{ g} + 55 \text{ kg } 750 \text{ g} = \text{_____} \text{ kg } \text{_____} \text{ g}$
13.  $20 \text{ l} - 1 \text{ l } 500 \text{ ml} = \text{_____} \text{ l } \text{_____} \text{ ml}$
14.  $450 \text{ ml} \times 5 = \text{_____} \text{ l } \text{_____} \text{ ml}$
15.  $50 \text{ kg} \div 100 \text{ g} = \text{_____}$ .
16. Every triangle has at least \_\_\_\_\_ acute angles.
17. A triangle in which none of the sides equal is called a \_\_\_\_\_.
18. In an isosceles triangle \_\_\_\_\_ angles are equal.
19. The sum of three angles of a triangle is \_\_\_\_\_.
20. A right angled triangle with two equal sides is called \_\_\_\_\_.

**CHOOSE THE CORRECT ANSWER**

1. An equilateral triangle is
- a) an obtuse angled triangle                      b) a right angled triangle  
c) an acute angled triangle                        d) a scalene triangle
2. The angles of a right angled triangle are
- a) acute, acute, obtuse                              b) acute, right, right  
c) right, obtuse, acute                                d) acute, acute, right
3. If two sides of a triangle are 5 cm and 9 cm, then the third side is \_\_\_\_\_.
- a) 5 cm                      b) 3 cm                      c) 4 cm                      d) 14 cm
4. If all angles of a triangle are less than a right angle, then it is called \_\_\_\_\_.
- a) an obtuse angled triangle                        b) a right angled triangle  
c) an isosceles right angled triangle            d) an acute angled triangle
5. The given triangle is \_\_\_\_\_.
- a) a right angled triangle                      b) an equilateral triangle  
c) a scalene triangle                                d) an obtuse angled triangle
6. Discount is subtracted from \_\_\_\_\_ to get S.P.
- (a) M.P.                      (b) C.P.                      (c) Loss                      (d) Profit
7. 'Overhead expenses' is always included in \_\_\_\_\_.
- (a) S.P.                      (b) C.P.                      (c) Profit                      (d) Loss
8. There is no profit or loss when
- (a) C.P. = S.P.                      (b) C.P > S.P.                      (c) C.P < S.P.                      (d) M.P. = Discount
9. Discount = M.P. - \_\_\_\_\_
- (a) Profit                      (b) S.P.                      (c) Loss                      (d) C.P.
10. 2 days = \_\_\_\_\_ hours.                      (a) 38                      (b) 48                      (c) 28                      (d) 40
11. 3 weeks = \_\_\_\_\_ days                      (a) 21                      (b) 7                      (c) 14                      (d) 28





12. Number of ordinary years between two consecutive leap years is \_\_\_\_\_.  
(a) 4 years      (b) 2 years      (c) 1 year      (d) 3 years
13. What time will it be 5 hours after 22:35 hours ?  
(a) 2:30 hours      (b) 3:35 hours      (c) 4:35 hours      (d) 5:35 hours
14.  $2\frac{1}{2}$  years is equal to \_\_\_\_\_ months      (a) 25      (b) 30      (c) 24      (d) 5
15.  $9\text{ m } 4\text{ cm}$  is equal to \_\_\_\_\_      (a)  $94\text{ cm}$       (b)  $904\text{ cm}$       (c)  $9.4\text{ cm}$       (d)  $0.94\text{ cm}$
16.  $1006\text{ g}$  is equal to \_\_\_\_\_      (a)  $1\text{ kg } 6\text{ g}$       (b)  $10\text{ kg } 6\text{ g}$       (c)  $100\text{ kg } 6\text{ g}$       (d)  $1\text{ kg } 600\text{ g}$
17. Every day  $150\text{ l}$  of water is sprayed in the garden. Water sprayed in a week is \_\_\_\_\_.  
(a)  $700\text{ l}$       (b)  $1000\text{ l}$       (c)  $950\text{ l}$       (d)  $1050\text{ l}$
18. Which is the greatest?  $0.007\text{ g}$ ,  $70\text{ mg}$ ,  $0.07\text{ cg}$   
(a)  $0.07\text{ cg}$       (b)  $0.007\text{ g}$       (c)  $70\text{ mg}$       (d) all are equal
19.  $7\text{ km} - 4200\text{ m}$  is equal to \_\_\_\_\_  
(a)  $3\text{ km } 800\text{ m}$       (b)  $2\text{ km } 800\text{ m}$       (c)  $3\text{ km } 200\text{ m}$       (d)  $2\text{ km } 200\text{ m}$
20. Which of the following pairs is co-prime?  
(a) 51, 63      (b) 52, 91      (c) 71, 81      (d) 81, 99
21. The greatest 4 digit number which is exactly divisible by 8, 9 and 12 is  
(a) 9999      (b) 9996      (c) 9696      (d) 9936
22. The HCF of two numbers is 2 and their LCM is 154. If the difference between the numbers is 8, then the sum is  
(a) 26      (b) 36      (c) 46      (d) 56
23. Which of the following cannot be the HCF of two numbers whose LCM is 120?  
(a) 60      (b) 40      (c) 80      (d) 30
24. The difference between two successive odd numbers is  
(a) 1      (b) 2      (c) 3      (d) 0
25. The only even prime number is  
(a) 4      (b) 6      (c) 2      (d) 0
26. Which of the following numbers is not a prime?  
(a) 53      (b) 92      (c) 97      (d) 71

27. The sum of the factors of 27 is  
(a) 28 (b) 37 (c) 40 (d) 31
28. The factors of a number are 1, 2, 4, 5, 8, 10, 16, 20, 40 and 80. What is the number?  
(a) 80 (b) 100 (c) 128 (d) 160
29. The prime factorisation of 60 is  $2 \times 2 \times 3 \times 5$ . Any other number which has the same prime factorisation as 60 is  
(a) 30 (b) 120 (c) 90 (d) impossible
30. If the number  $6354*97$  is divisible by 9, then the value \* is  
(a) 2 (b) 4 (c) 6 (d) 7
31. The number 87846 is divisible by  
(a) 2 only (b) 3 only (c) 11 only (d) all of these

**SAY TRUE OR FALSE**

1. The sum of any number of odd numbers is always even.
2. Every natural number is either prime or composite.
3. If a number is divisible by 6, then it must be divisible by 3.
4. 16254 is divisible by each of 2, 3, 6 and 9.
5. The number of distinct prime factors of 105 is 3.
6. The numbers 57 and 69 are co-primes.
7. The HCF of 17 and 18 is 1.
8. The LCM of two successive numbers is the product of the numbers.
9. The LCM of two co-primes is the sum of the numbers.
10. The HCF of two numbers is always a factor of their LCM
11. Pugazhenthai ate 100 g of nuts which is equal to 0.1 kg.
12. Meena bought 250 ml of buttermilk which is equal to 2.5 l.
13. Karkuzhali's bag 1kg 250g and Poongkodi's bag 2kg 750g. The total weight of their bags 4kg.
14. Vanmathi bought 4 books each weighing 500 g. Total weight of 4 books is 2 kg.
15. Gayathri bought 1 kg of birthday cake. She shared 450 g with her friends. The weight of cake remaining is 650 g.



**MATCH THE FOLLOWING**

- 1.No sides are equal - Isosceles triangle
- 2. One right angle - Scalene triangle
- 3. One obtuse angle - Right angled triangle
- 4. Two sides of equal length - Equilateral triangle
- 5. All sides are equal - Obtuse angled triangle

- 1. 9.55 a. 20 minutes past 2
- 2. 11.50 b. quarter past 4
- 3. 4.15 c. quarter to 8
- 4. 7.45 d. 5 minutes to 10
- 5. 2.20 e. 10 minutes to 12

