



SST PUBLIC SCHOOL RASHIDABAD ENTRY TEST 2021

Name: _____

TEMP ID

Subject: Mathematics

Maximum Marks: 40

Time: 40 Min

Class: Foundation

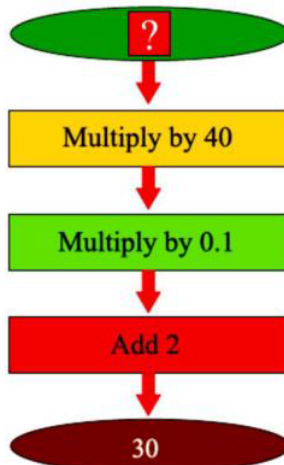
NOTE:

- Each Question carry equal marks.
- Calculator is not allowed.

1. The Sum of first five **Prime Number** is. [2]

- (A) 26 (B) 18
(C) 11 (D) 28

2. What is the missing number from the given chart? [2]



- (A) 7 (B) 122
(C) 30 (D) 128

3. Simplify: $\frac{5}{x} \div \frac{1}{2}$ [2]

- (A) $\frac{x}{10}$
(C) $\frac{5}{2x}$

- (B) $\frac{10}{x}$
(D) None of these.

4. If A is a set of letters of a word "MATHEMATICS" then $n(A) =$ _____ [2]

- (A) 10 (B) 8
(C) 9 (D) 11

5. Faraz wants to buy some pizzas for his party. [2]



Seafood pizza - \$9.50 each



Vegetarian pizza - \$6.20 each

Faraz bought 8 seafood pizzas and 1 Vegetarian pizza.
How much Faraz spent on pizzas?

- (A) \$ 15.04 (B) \$ 76
(C) \$ 15.70 (D) \$ 82.2

6. 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.

7. The sign of $(-117)^{107}$ is: [2]

- (A) Positive (B) Negative
(C) May be Positive or Negative (D) None of these.

8. What is the product of $a(a + 2)$? [2]

- (A) $a^2 + 3a$ (B) $a^2 + 2a$
(C) $a^2 + 2$ (D) None of these.

9. The temperature changed from -6° to 10° . How much did the temperature change by? [2]

- (A) 16° (B) 14°
(C) -16° (D) None of these.

10. [2]

$$\sqrt{248 + \sqrt{52 + \sqrt{144}}}$$

- (A) 18 (B) 14
(C) 16 (D) None of these.

11. Which of the following two angles are classified as complementary? [2]

- (A) 65° and 25° (B) 70° and 30°
(C) 60° and 120° (D) None of these.

12. If the sum of two numbers is 13 and the difference of the numbers is 3, what is the product of these numbers? [2]

- (A) 80 (B) 40
(C) 50 (D) 60

13. Ali Bought some fruits. [2]



174 grams



522 grams



386 grams

What is the total mass of Ali's fruit in kilogram?

- (A) 1.82 (B) 10.82
(C) 1.082 (D) 1082

14. If 0.4 of a number is equal to 0.06 of another number, then the ratio of the numbers is: [2]
- (A) 3 : 20 (B) 3 : 4
(C) 20 : 3 (D) 2 : 3
15. In a triangle there can be maximum _____ right angle/s. [2]
- (A) 1 (B) 2
(C) 3 (D) None of these
16. If $q = \frac{pf}{p-6}$ then find q when $p = 10$ and $f = 30$ [2]
- (A) 150 (B) 75
(C) 300 (D) None of these
17. Which of the following is a prime number? [2]
- (A) 91 (B) 99
(C) 93 (D) 97
18. Evaluate the value of: $\sqrt{10} \times \sqrt{490}$ [2]
- (A) 4900 (B) 7
(C) 70 (D) None of these
19. What is the value of $\frac{2}{3} + \frac{1}{3} + \frac{7}{3}$ [2]
- (A) $\frac{10}{3}$ (B) $\frac{10}{9}$
(C) $\frac{10}{27}$ (D) None of these
20. These are the personal Identification Numbers (PINs) four people use with their credit cards. [2]
- Abid 4149**
Javid 2828
Hamza 5397
Hassan 3095
- Whose PIN is made up of digits that are all square numbers?
- (A) Abid's (B) Javid's
(C) Hamza's (D) Hassan's