

SWO International Mathematics Olympiad 2021-22

Class 5th

Questions: 20

Time Duration: 30 Minutes

There are 4 Sections- 5 Questions in Section-1, 5 Questions in Section-2, 5 Questions in Section-3, 5 Questions in Section-4.

Section-1- (Data Handling, Perimeter and Angles)

1. Write the five common multiples of 2 and 5 .

- a. 2 , 4 , 6 , 8 , 10
- b. 5, 10 , 15 , 20 , 25
- c. 10, 20 , 30 , 40 , 50
- d. None of these

(c)

2. Find the cost of fencing a rectangular field of 70 m length and 50m width at the rate of Rs. 200 per meter.

- a. 48000
- b. 50000
- c. 58000
- d. 60000

(a)

3. Perimeter of a rectangular field is 528 m. If length of the field is double the length of it's breadth then find out the length and breadth of the field.

- a. length- 170 cm, breadth- 88 cm
- b. length-176 cm, breadth- 88 cm
- c. length- 171 cm, breadth- 88 cm
- d. length- 172 cm, breadth- 88 cm

(b)

4. Two angles whose measures add to 90° are called _____ angles.

- a) Reflex
- b) Supplementary
- c) Right
- d) Complementary

(d)

5. Angles with a common vertex and common sides are called _____ angles.

- a) Right
- b) Reflex
- c) Adjacent
- d) Straight (c)

Section 2- (Conversions and Measurements of Mass)

6. $8\text{m} + 9\text{ dm} + 3\text{cm} = \underline{\hspace{1cm}}\text{ cm}.$

- a. 846
- b. 845
- c. 893
- d. 839 (c)

7. $\underline{\hspace{1cm}}\text{ mm} = 25\text{ cm}.$

- a. 220
- b. 230
- c. 240
- d. 250 (d)

8. $\underline{\hspace{1cm}}\text{ dag} = 5\text{kg}$

- a. 500
- b. 400
- c. 300
- d. 200 (a)

9. Convert 5 km 8 hm 7 dam into dam

- a. 577 dam
- b. 587 dam
- c. 597 dam
- d. 567 dam (b)

10. If 1 kg of Basmati rice costs \$50, find the cost of 15 kg of rice.

- a. 700
- b. 740
- c. 750
- d. 800 (c)

Section 3- (Conversions and Decimal Numbers)

11. 3ml = ___ l.

- a. 0.001
- b. 0.002
- c. 0.003
- d. 0.004 (c)

12. 90° F = ___ ° C

- a. 12.2
- b. 22.2
- c. 10.2
- d. 32.2 (d)

13. What is the answer if we divide 42.535 by 9.24.

- a. 4.6
- b. 4.5
- c. 4.4
- d. 4.3 (a)

14. Multiply 33.543 by 13.45

- a. 451.151
- b. 451.152
- c. 451.153
- d. 451.154 (c)

15. Subtract 56.39 from 387.782

- a. 331.391
- b. 331.392
- c. 331.393
- d. 331.394 (b)

Section 4- (Roman Numerals and Decimal Numbers)

16. Add 6.43, 7.426 and 23.15

- a. 37.003
- b. 37.004
- c. 37.005

d. 37.006 (d)

17. Round off 72.567 to nearest hundredths place.

- a. 72.54
- b. 72.55
- c. 72.56
- d. 72.57 (d)

18. What is the answer if you convert $121/25$ into decimal numbers.

- a. 4.81
- b. 4.82
- c. 4.83
- d. 4.84 (d)

19. Convert 25.321 to a fraction.

- a. $25321/1000$
- b. $25321/100$
- c. $25321/10$
- d. $25321/1$ (a)

20. $XXI - XX = \underline{\quad}$

- a. XXI
- b. XX
- c. X
- d. I (d)