



**RAMAGYA SCHOOL, NOIDA**  
III/MATHEMATICS/2017-18  
OLYMPIAD PRACTICE WORKSHEET

**Concept Based –**

1. Estimate the length of a sofa.

- (a) 8 centimetres      (b) 8 feet      (c) 8 miles      (d) 8 inches

2. The standard unit of mass is:

- (a) kilogram      (b) milligram      (c) gram      (d) litre

3.  $5 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$ ?

- (a) 500      (b) 5000      (c) 2000      (d) 200

4. Which is not a unit to measure length?

- (a) pound      (b) miles      (c) yards      (d) inches

5.  $800\text{g} + \underline{\hspace{2cm}} = 1000\text{g}$

- (a) 80      (b) 20      (c) 2      (d) 200

6. Which is a better estimate for the distance of an hour-long bike ride?

- (a) 9 kilometre      (b) 9 centimetre      (c) 9 gram      (d) 9 litre

**Application Based**

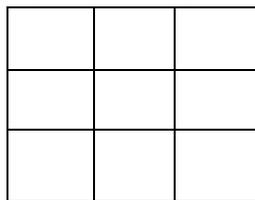
7. Which is a better estimate for the distance of an hour-long bike ride?

- (a) 9 kilometre      (b) 9 centimetre      (c) 9 gram      (d) 9 litre

8. 3, 8, 13, 18, 23, \_\_\_\_, \_\_\_\_?

- (a) 28, 33      (b) 27, 32      (c) 28, 32      (d) 27, 33

9. A large square is made up of small squares. How many squares are there?



- (a) 9      (b) 10      (c) 11      (d) 14

10.  $\frac{3}{4}$  of 70 kg is the same as \_\_\_\_\_% of 420 kg?

- (a) 10            (b)  $\frac{1}{10}$             (c)  $\frac{1}{100}$             (d)  $\frac{2}{10}$

11. How many eighths are there in 8 wholes?

- (a) 8            (b) 16            (c) 64            (d) 80

12. A shirt costs rupees 9 more than a belt. The total costs of 2 such shirts and 5 such belts was rupees 172. What was the cost of a belt?

- (a) 12            (b) 2            (c) 22            (d) 1

13. Paul had rupees 189. He spent rupees 45.87 of it on a radio and rupees 0.78 on a drink. How much money is left with him?

- (a) ₹ 143.35    (b) ₹ 142.35    (c) ₹ 144.35    (d) ₹ 145.35

### Value Based

14. Four people are standing in line. Jamila is standing 3 meters behind Lora and 2 meters in front of Carla. Paula is standing 4 meters in front of Laura. What is the distance between Carla and Paula?

(a) 9 meters

(b) 5 meters

(c) 4 meters

(d) 2 meters

15. Three boys Kishore, Tarun and Mahesh, together weigh 75.7 kg. Kishore weighs 5.2 kg more than Tarun and 1.4 kg less than Mahesh. What is Tarun's mass?

- (a) 20.5 kg    (b) 21.3 kg    (c) 22.7 kg    (d) 26.5 kg

16. A story telling session in school started at 1:30 pm. and ended at 5:05 pm. How long was the session?

- (a) 2h 55 mins (b) 3 h 35 mins (c) 3 h 55 mins (d) 5 h 5 mins

17. Mrs. Soha's students wrote their diary every day beginning on 31<sup>st</sup> January. They wrote their last diary on 9<sup>th</sup> February. How many total days did the students write their diary?

- (a) 8 days    (b) 9 days    (c) 10 days    (d) 22 days

18. Before recess, there was math class for 35 minutes. Recess lasts for 40 minutes and ends at 10:35 am. What time

did the math class start?

- (a) 9:20 a.m    (b) 9:10 a.m.    (c) 9:1115a.m.    (d) 10:05 a.m.

**19.** 3 bottles A, B, C were filled with water. A contains 5 times as much water as bottle B. Bottle C contains  $\frac{1}{3}$  as much water as bottle B. If bottle A contained 72 ml more water than bottle B, how much water did all the 3 bottles contain in all?

- (a) 96 ml      (b) 110 ml      (c) 114 ml      (d) 132 ml

**20.** Neena had 13.34 m of ribbon. She cut 4 smaller pieces each of length 0.32 m from it. How many meters of ribbon were left?

- (a) 12.06 m      (b) 12 m      (c) 1.2 m      (d) All of the above