



RAMAGYA SCHOOL, NOIDA

III/MATHS/2018-19

OLYMPIAD PRACTICE WORKSHEET

Concept Based –

1. Fill in the blanks:

$$88 \times (\square + 6) = 5808$$

- (a) 60 (b) 66 (c) 56 (d) 46

2. A body builder eats 1 dozen eggs in a day. How many eggs will he eat in a year?

- (a) 377 (b) 365 (c) 4380 (d) 12

3. Which is the correct expression for 3×73 ?

- (a) $(3 \times 70) + 3$ (b) $3 \times 70 + 3 \times 3$ (c) $(3 \times 3) + 70$ (d) $70 \times 3 + 70 \times 3$

4. Fill in the blanks

$$26 \times (60 + 7) = \square$$

- (a) 1642 (b) 1742 (c) 1724 (d) 1624

5. How many seconds are there in a day?

- (a) 1440 (b) 21900 (c) 3600 (d) 86400

6. A factory manufactures 5315 guitars in a day. How many guitars will it produce in 3 weeks?

- (a) 111565 (b) 111623 (c) 111615 (d) 111534

7. Which pair of numbers can complete this condition?

$$\underline{\hspace{2cm}} \times 1000 = \underline{\hspace{2cm}}$$

- (a) 506 and 56000 (b) 560 and 50006 (c) 56 and 56000 (d) 56 and 5600

Application Based

8. 55 is multiplied by a number and the product remains the same. The number is –

- (a) 55 (b) 0 (c) 1 (d) $1/55$

9. A factory manufactures 8504 cricket bats in a day. How many cricket bats will it produce in 6 weeks?

- (a) 357168 (b) 357149 (c) 357225 (d) 357079

10. After buying 3 pencils at Rs. 12 each, Ramakrishnan has Rs. 7 left. How much amount did he have at first?

- (a) 45 (b) 42 (c) 43 (d) 46

11. If a train travels 503 km in one hour, how far will it go in one day?

- (a) 17206 km (b) 16072 km (c) 12062 km (d) 12072 km

12. Shilpa celebrated her birthday with 8 of her friends. If she and each of her friends ate 7 slices of pizza. How many slices did Shilpa order?

- (a) 63 (b) 73 (c) 48 (d) 42

13. A bag contains some scales and sharpeners. There are 41 scales and 3 times as many sharpeners as the number of scales in the bag. How many sharpeners are there in the bag?

- (a) 123 (b) 133 (c) 132 (d) 213

14. Estimate the product. Round the first factor to the nearest ten, and then multiply.

$$48 \times 8$$

The product is approximately .

- (a) 500 (b) 400 (c) 384 (d) 300

15. Jake bought 42 packages of paper towels. There were 6 rolls in each package. About how many rolls of paper towels did Jake buy?

- (a) 242 (b) 262 (c) 252 (d) 522

Value Based –

16. There are 20 rows of seats in a lecture hall. Each row has 40 seats. How many seats are there in all?

- (a) 487 (b) 847 (c) 748 (d) 489

17. Each question on a game show is worth 2 points. There are 77 questions on each episode of the show. How many points are there in total on each episode?

- (a) 154 (b) 145 (c) 541 (d) 415

18. Sara ordered 4 pizzas, 5 sandwiches, 7 fries, and 6 salads. If the cost of pizzas, sandwiches, fries and salads is Rs. 12, Rs. 20, Rs. 21, and Rs. 17 respectively, find the total amount Sara paid to the shopkeeper.

- (a) Rs. 462 (b) Rs. 374 (c) Rs. 384 (d) Rs. 397

19. A body builder eats 2 dozen eggs in a day. How many eggs will he eat in a year?

- (a) 377 (b) 730 (c) 24 (d) 8760

20. Gauri earns Rs. 84400 every month. How much money will she earn in 5 years?

- (a) 5148400 (b) 4895200 (c) 5064000 (d) 4979600

