

Maths Olympiad
Downloadable Mock
Level 5

General Instructions:

1. Please note it is a Mock Paper. The questions might differ in the final exam.
2. The exam should be answered using pencil on the question paper itself.
3. Please read the questions carefully before answering them.

Student Details:

Name _____

Std _____

Q1. Tick the box if the number is divisible by the number in the header.

Factors / Numbers	11	12	25	18
298475				
53616				

Q2. Find the following.

1. HCF of 216,124 using long division.

2. LCM of 20, 50 and 75.

Q3. Solve the following.

$$\frac{3}{7} \times \frac{2}{5} = \underline{\hspace{2cm}}$$

$$6 \frac{3}{4} + 12 \frac{3}{8} = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 910.51 \\ \times 0.33 \\ \hline \end{array}$$

Q4. Use the appropriate sign. "<" or ">"

15% of 300 _____ 30% of 900

$\frac{9}{8}$ _____ $\frac{4}{8}$

Q5. Find the value of y.

1. $3 : 5 :: 15 : y$

2. $y = 8^4$

Q6. Solve the below given word problems.

1. Out of 168 students staying at a boarding school in Shimla, $\frac{2}{3}$ were boys and the rest were girls. $\frac{2}{7}$ of the girls went home for the holidays. How many girls stayed back in the hostel?

2. The ratio of men to women in a village 4:3. If the total population of the village is 1024, find out the number of men and women?

3. A field measuring 35 m long and 25 m wide has two mud roads, one running lengthwise and the other breadthwise. If the paths are 2 m wide, find the area of the field excluding the mud roads.

Q7. In triangle PQR, $\angle P = 25^\circ$, $\angle Q = 43^\circ$, Find $\angle R$ and say what type it is?

Q8. Make a bar graph for the given data.

The number of students participating in different sports in the Primary section in a school is given below:

Sports	No of students
Basket ball	65
Football	70
Cricket	30
Throw ball	40