

**INTERNATIONAL INDIAN SCHOOL**  
**BURAI DAH**

Worksheet For The Academic Year 2023-24

**CLASS: VIII SUBJECT: Mathematics DATE: 12/12/2023**

**LESSON-13 Direct & Inverse Proportion**

1) Check if the values are in Direct or Inverse Proportion:

a)

x	5	10	15	20	25	30
Y	7	14	21	28	35	42

b)

x	4	5	10	2
y	25	20	10	50

- 2) Veena takes 15min to cover 1000m by foot. Assuming that she does not slow down and continues walking at the same speed , find the time required to cover 1400m.
- 3) If the cost of 3 dozen oranges is Rs 150 , find the cost of 5 dozen oranges.
- 4) If you get 7 T-shirts at Rs 1400 , how many T-shirts is available for Rs 1800?
- 5) A car at a constant speed covers a distance of 40 km in 1 hour. Find the distance it will cover in 15min.
- 6) If 6 litres of paint cost Rs 1200 , find the cost of 10.5 litres of paint.
- 7) A train at a uniform speed covers 150km in 2 hours. Find the distance covered in 5 hours.
- 8) If 16 men can finish a work in 12 days , how long will 12 men take to finish the same work?
- 9) If 100 apples are packed in one carton , 20 such cartons are needed. If 80 apples are packed in one carton, how many such cartons are needed?
- 10) In a company 10 team members can complete a project in 3 months. If the project has to be completed in 2 months , how many team members should work on it?
- 11) In an army camp , 45 men have provisions for 30 days. How long will their provision last if there are only 27 men?
- 12) 5 taps open at the same time can fill a water tank in 10 hours. If only 4 taps are open, how long will it take to fill the tank?

**ANSWERS**

2) 21 min	3) Rs 250	4) 9	5) 10 km	6) Rs 2100	7) 375 km
8) 16 days	9) 25	10) 15	11) 50 days	12) 12.5 hrs	