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WORKSHEET

REVISION WS-3

1. If x varies directly as y and x = 12 when y = 4, find x when y = 8.

A. 16   B. 20   C. 24   D. 32

2. If a car covers 120 km in 4 liters of petrol, how much distance will it cover in 15 liters?

A. 350 km   B. 400 km   C. 450 km   D. 500km

3. If 15 workers can build a wall in 12 days, how many workers are needed to build it in 9 days?

A. 18   B. 20   C. 22   D. 24

4. The cost of 5 kg of sugar is ₹200. What will be the cost of 8 kg of sugar?

A. ₹300   B. ₹320   C. ₹340   D. ₹360

5. If x varies inversely as y and x = 15 when y = 6, find y when x = 10

A. 4   B. 6   C. 9   D. 12

6. A garrison of 500 men had provisions for 24 days. However, a reinforcement of 300 men arrived. How long will the food last now?

A. 12 days   B. 15 days   C. 16 days   D. 18 days

7. If 36 men can complete a piece of work in 18 days, in how many days will 27 men complete the same work?

A. 20 days   B. 22 days   C. 24 days   D. 26 days

WORKSHEET

REVISION WS-3

8. A train is moving at a uniform speed of 75 km/h. How far will it travel in 20 minutes?

A. 15 km   B. 20 km   C. 25 km   D. 30 km

9. If z varies directly as x and inversely as y, and z=12 when x=6 and y=2, find z when x=10 and y=5.

A. 6   B. 8 km   C. 10   D. 12

10. 10 pipes of the same diameter can fill a tank in 24 minutes. If 2 pipes go out of order, how long will the remaining pipes take to fill the tank?

A. 28 minutes   B. 30 minutes   C. 32 minutes   D. 36 minutes

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