



### Question 5:

A taxi-driver, filled his car petrol tank with 40 litres of petrol on Monday. The next day, he filled the tank with 50 litres of petrol. If the petrol costs ₹ 44 per litre, how much did he spend in all on petrol?

### Answer 5:

Petrol filled on Monday = 40 litres

Petrol filled on next day = 50 litres

Total petrol filled = 90 litres

Now,

Cost of 1 litre petrol = ₹ 44

Cost of 90 litres petrol =  $44 \times 90$

$$= 44 \times (100 - 10)$$

$$= 44 \times 100 - 44 \times 10$$

$$= 4400 - 440$$

$$= ₹ 3960$$

Therefore, he spent ₹ 3960 on petrol.

### Question 6:

A vendor supplies 32 litres of milk to a hotel in a morning and 68 litres of milk in the evening. If the milk costs ₹15 per litre, how much money is due to the vendor per day?

### Answer 6:

Supply of milk in morning = 32 litres

Supply of milk in evening = 68 litres

Total supply =  $32 + 68 = 100$  litres

Now

Cost of 1 litre milk = ₹15

Cost of 100 litres milk =  $15 \times 100 = ₹1500$

Therefore, ₹1500 is due to the vendor per day.

### Question 7:

Match the following:

(i)  $425 \times 136 = 425 \times (6 + 30 + 100)$

(a) Commutativity under multiplication

(ii)  $2 \times 48 \times 50 = 2 \times 50 \times 49$

(b) Commutativity under addition

(iii)  $80 + 2005 + 20 = 80 + 20 + 2005$

(c) Distributivity multiplication under addition

**Answer 7:**

(i)  $425 \times 136 = 425 \times (6 + 30 + 100)$

(c) Distributivity of multiplication over addition

(ii)  $2 \times 49 \times 50 = 2 \times 50 \times 49$

(a) Commutivity under multiplication

(iii)  $80 + 2005 + 20 = 80 + 20 + 2005$

(b) Commutivity under addition

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