Exercise 1C

Q22

Answer :

Product of two numbers = 13421408
One of the number = 364

∴ The other number = 13421408 ÷ 364
= 36872

Q23

Answer :

Cost of 36 flats = Rs 68251500
Cost of one flat = Rs 68251500 ÷ 36
= Rs 1895875

∴ Each flat costs Rs 1895875.

Q24

Answer :

We know that 1 kg = 1000 g
Now, mass of the gas-filled cylinder = 30 kg 250 g = 30.25 kg
Mass of an empty cylinder = 14 kg 480 g = 14.48 kg

∴ Mass of the gas contained in the cylinder = 30.25 kg – 14.48 kg
= 15.77 kg = 15 kg 770 g

Q25

Answer :

We know that 1 m = 100 cm
Length of the cloth = 5 m
Length of the piece cut off from the cloth = 2 m 85 cm

∴ Length of the remaining piece of cloth = 5 m – 2.85 m
= 2.15 m = 2 m 15 cm

Q26

Answer :

We know that 1 m = 100 cm
Now, length of the cloth required to make one shirt = 2 m 75 cm
Length of the cloth required to make 16 such shirts = 2 m 75 cm × 16
= 2.75 m × 16
= 44 m

∴ The length of the cloth required to make 16 shirts will be 44 m.

Q27

Answer :

We know that 1 m = 100 cm
Cloth needed for making 8 trousers = 14 m 80 cm
Cloth needed for making 1 trousers = 14 m 80 cm ÷ 8
= 14 .8 m ÷ 8
= 1.85 m = 1 m 85 cm

∴ 1 m 85 cm of cloth will be required to make one shirt.

Q28

Answer :

We know that 1 kg = 1000 g
Now, mass of one brick = 2 kg 750 g
∴ Mass of 14 such bricks = 2 kg 750 g × 14
= 2.75 kg × 14
= 38.5 kg = 38 kg 500 g

Q29

Answer :

We know that 1 kg = 1000 g

Now, total mass of 8 packets of the same size = 10 kg 600 g

∴ Mass of one such packet = 10 kg 600 g ÷ 8

= 10.6 kg ÷ 8

= 1.325 kg = 1 kg 325 g

Q30

Answer :

Length of the rope divided into 8 equal pieces = 10 m

Length of one piece = 10 m ÷ 8

= 1.25 m = 1 m 25 cm [∵ 1 m = 100 cm]

********** END **********