

MATHS

1. THE FISH TALE

* Fill in the blanks:

1. Metre is the basic unit of length
2. Gram is the basic unit of weight
3. 1km = 1000m
4. 10mm = 1cm
5. 3 kg 750g = 3750g
6. One hundred lakh is called a crore
7. The biggest fish is the whale shark
8. 1 kg = 1000 g
9. $4\frac{1}{4}$ kg = 4250g
10. A stack of 10 eraser is 5cm high. Each eraser is 5 mm thick.
11. One lakh = hundred thousand

* Work out sums

Q.1 A basket of apples weigh 2.5 kg. How much is that in g?

Sol. $2.5 \times 1000\text{g} = 2500\text{g}$

Ans: The basket of apples weigh 2500g

2. My mother is 153cm tall. How much will that be in m?

Sol. $153 \div 100 = \frac{153}{100} = 1.53\text{m}$

Ans: Mother tall = 1.53 m

3. Grandpa walks 750m every day. How many km will he walk in a week?

Sol. Distance Grandpa walks in a day = 750m

Distance he will walk in a week = $750 \times 7 = 5250\text{m}$

Distance in Kilometres = $5250 \div 1000 = 5.250\text{km}$

Ans: Grandpa will walk 5.250km in a week

4. A train covers 960 km in 12 hours

Sol. Speed = $960 \div 12$ ($S = \frac{D}{T}$) = $\frac{960}{12} = 80\text{km/h}$

Ans: Speed = 80km/h

*Practice Time

Q.1) Gracy sells sword fish for ₹ 60 a kg

Floramma sells prawns for ₹ 150 a kg

Karuthamma sells squid for ₹ 50 a kg

Fazila sells king fish 8kg for ₹ 1200

a. At what price per kg did Fazila sell the king fish?

Soln. The total price of 8 kg fish = ₹ 1200

$$\text{Prize of 1 kg fish} = \frac{1200}{8} = 150$$

Ans: Fazila sold 1kg = ₹ 150

b. Floramma has sold 10kg prawns today. How much money she get for that?

Soln. Price of 1kg prawns = ₹ 10 × 150 = ₹ 1500

Floramma sold 10kg prawns = ₹ 1500

c. Gracy sold 6kg sword fish Mini has earned as much money as Gracy. How many kg of sardines did mini sell?

Soln. Price of 1kg sword fish = ₹ 60

Money earned by Mini = $6 \times 60 = ₹ 360$

Amount of sardines sold by mini = $360 \div 40 = 9\text{kg}$

Mini sold 9 kg of Sardiness.

d. Basheer has ₹100. He spends one fourth of the money on squid and another three fourth on prawns.

(i) How many kilograms of squid did he buy?

Soln. Price of 1kg squid = ₹ 50, Basher has ₹ 100

$$\text{One fourth of 100 (spends on squid)} = 100 \times \frac{1}{4} = ₹ 25 \quad (1\text{kg} = ₹ 50 \\ \frac{1}{2}\text{kg} = ₹ 25)$$

Ans: Basher bought $\frac{1}{2}$ kg of aquad.

(ii) How many kilograms of prawns did he buy?

Soln. Price of 1kg prawns = ₹ 150

$$\text{Money left with basher} = 100 - 25 = ₹ 75 \quad (1\text{kg} = ₹ 150 \\ \frac{1}{2}\text{kg} = ₹ 75)$$

Ans: Basher bought $\frac{1}{2}$ kg of prawns

Q.2) The meeting of the Meenkar Bank has just begun. Fazila is the president. Twenty fisher woman have made their own bank. Each saves ₹ 25 every month and puts it in the bank.

a. How much money does the group collect each month?

Soln. Collection of 1 women = ₹ 25

Total Collection of 20 women = $25 \times 20 = ₹ 500$

Ans: The group collects ₹ 500 each month.

b. How much money will be collected in ten years?

Collection for 1 month = 500

Collection of 10 years = $10 \times 12 \times 500 = ₹ 60,000$

Ans: Money collection in 10 years = ₹ 60,000

Q.3. Gracy needs money to buy a net. Jhansi and her sister want to buy a log boat. So they take a loan from their bank. They will return it with interest.

a. Gracy took a loan of ₹ 4000 to buy a net. She paid back ₹ 345 every month for one year. How much money did she pay back to the bank?

Soln. Amount paid by Gracy in every month = ₹ 345

$$\text{Amount paid in a year} = 345 \times 12 = 4140$$

Ans: Gracy paid ₹ 4140 to the bank

b. Jhansi and her sister took a loan of ₹ 21000 to buy a log boat. They paid back a total of ₹ 23,520 in one year. How much did they pay back every month.

Soln. Amount paid in a month = ₹ $23520 \div 12 = ₹ 1960$

Ans; Amount paid = ₹ 1960.

Q.4 These log boats do not go very far. If the wind is helpful, then travel about 4km in one hour.

a. How long will they take to go a distance of 10km?

Soln. Boat travels in 1 hour = 4 km

$$\text{Boat will travel in half hour } \frac{4}{2} = 2$$

So, the boat will travel in 10km = 2 and a half hour

Q.5 The boats travel faster at the speed of about 20km in one hour.

a. How far would the motor boats go in three and a half hours?

Soln. Boat travels = 1 h, it will go in 3 h = $3 \times 20 = 60\text{km}$

$$\frac{1}{2} \text{ h} = \frac{1}{2} \times 20 = 10\text{km}$$

Ans: So, the distance covered by boat in 3 and a half hours = $60 + 10 = 70\text{km}$

b. How much time will they take to go 85 km?

Soln. The time took by boat to 85km (80km + 50km)

$$80\text{km} = \frac{80}{20} = 4\text{h}, \quad 5\text{km} = \frac{5}{20} = \frac{1}{4} \text{ h}$$

$$\rightarrow \frac{1}{4} \text{ h} = 15 \text{ min}$$

Ans: Total time has taken = 4h 15 min

6.a. About how many kilogram do you weight?

* My weight is about 32 kg

b. So, 12 children like you put together will weight about ____kg

$$* 32 \times 12 = 384 \text{ kg}, \quad \text{Ans: } 384 \text{ kg.}$$

Hots:

1. If a long tail boat has to travel 60 k m. How long will it take? (Refer book pg 9) Q-c

$$* \text{Speed of longtail boat} - 12\text{km/h}, \quad \text{time} = \frac{\text{distance}}{\text{speed}} = \frac{60}{12} = 5 \text{ h}$$

Answer 5 hours

2. A cupboard is 2m high. what is its height in mm?

$$\text{Ans: } 1\text{m} = 1000\text{mm} \quad 2\text{m} = 2000\text{mm} \quad \text{Ans} = 2000\text{mm}$$

3. My home is 250m away from bus stop. What distance will I walk if I go and come back 4 times?

$$* 1 \text{ time} - 250\text{m} + 250\text{m} \rightarrow 500\text{m}$$

$$4 \text{ times} - 500 \times 4 \rightarrow 2000\text{m} = 2\text{km} (1\text{km} = 1000\text{m})$$

Ans: 2 km

4. 2m 50cm + 70cm

m	cm	
2	50	
	70	
3	20	

Ans 3m 20cm

5. Subtract 2kg 300g from 5kg

kg	g	
4	10	
5	000	
-2	300	
2	700	

Ans: 2kg 700g