EVERWIN VIDHYASHRAM 2019-20 STD V

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 × 1000g = 2500g

Ans: The basket of apples weigh 2500g

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

Sol. $153 \div 100 = \frac{153}{100} = 1.53$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 × 7 = 5250m

Distance in Kilometres = 5250 ÷ 1000 = 5.250km

Ans: Grandpa will walk 5.250km in a week

4. A train covers 960 km in 12 hours

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

Ans: Speed = 80km/h

*Practice Time (Page No. 11) Refer math magic book.

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

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 ×60 = ₹360

Amount of sardines sold by mini = 360÷40 = 9kg

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

One fourth of 100(spends on squid) = $100 \times \frac{1}{4}$ = ₹ 25 (1kg = ₹ 50 ½kg= ₹ 25)

Ans: Basher bought ½ kg of aquid.

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

Soln. Price of 1kg prawns= ₹150

Money left with basher = 100-25 = ₹75 (1kg=₹150 ½kg=₹75)

Ans: Basher bought ½kg of prawns

[Pg. No. 12]

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 × 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 ×12×500 = ₹ 60,000

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

[Page No. 12 and 13]

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

Amount paid in a year = 345 × 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÷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. [Page No. 6] Refer math magic.

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

Soln. Boat travels in 1 hour = 4 km

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

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

Q.5 The boats travel faster at the speed of about 20km in one hour. [Page. No. 7]

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 = 3×20 = 60km

½ h = ½ × 20= 10km

Ans: So, the distance covered by boat in 3 and a half hours

= 60 + 10 = 70km

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

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

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

→$\frac{1}{4}$h = 15 min

Ans: Total time has taken = 4h 15 min

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

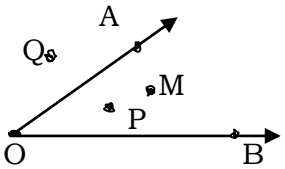
* My weight is about 32 kg

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

* 32 × 12 = 384 kg, Ans: 384 kg.

2. SHAPES AND ANGLES

1. Write the names of the angles, vertex, sides, interior points



a. Name of the angle → ∠AOB.

b. Vertex → O

c. Sides → $\overline{AO}$, $\overline{OB}$ (Rays, Arms)

d. Interior points → p,m

e. Exterior points→ Q

2. Name the following angles according to their measurements

a. 60^0 Acute angle b. 180^0 Straight angle

c. 185^0 Reflex angle d. 0^0 Zero angle

5. Look at the shape and answer Page No. 18.

* The angle marked in ____ colour is the biggest angle.

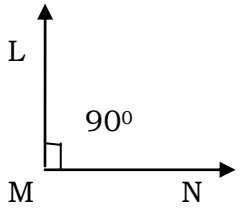
Ans. Black

6. Write 3 names using straight lines and count the angles page no.25

Name	Number of right angles	Number of angles more than a right angle	Number of angles less than a right angle
MEENA	8	3	7
TEENA	9	2	2
LALLAN	3	4	4

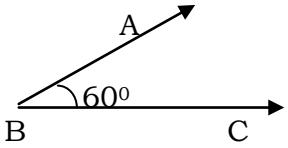
* Draw the angles of the following measures.

(i) 90^0



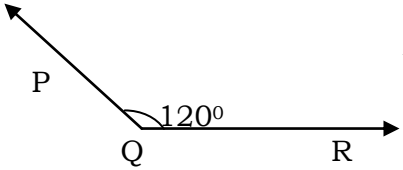
∠LMN = 90^0 (Right angle)

(ii) 60^0



$\angle ABC = 90^0$ (Acute angle)

(iii) 120^0



$\angle PQR = 120^0$ (Obtuse angle)