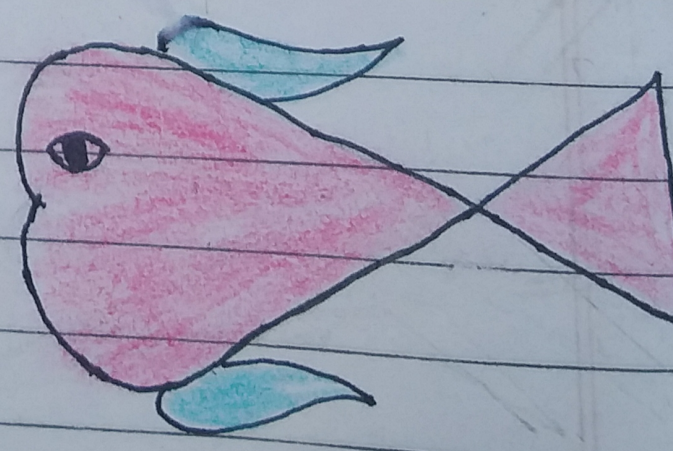
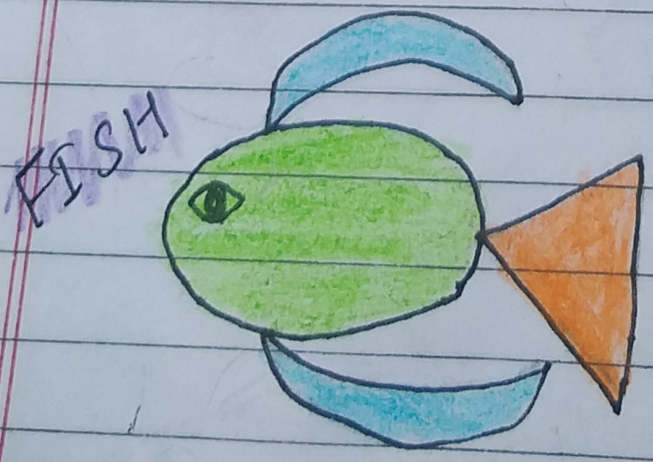
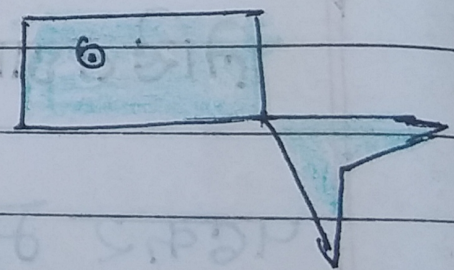
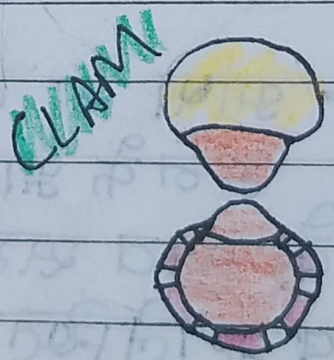
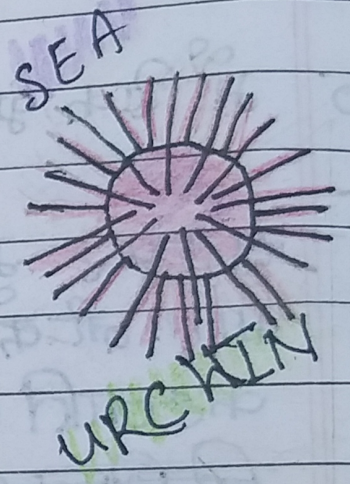
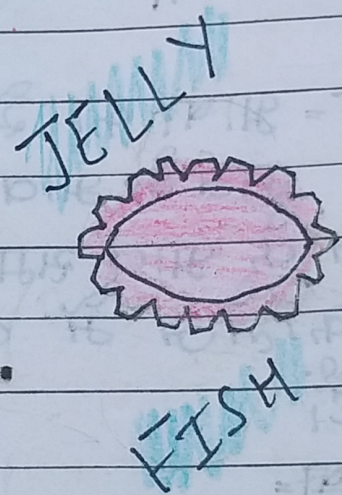
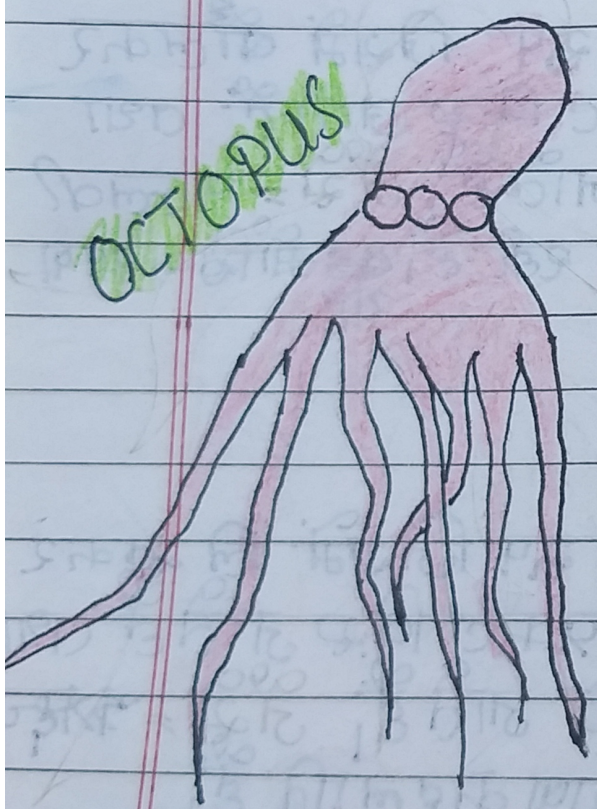


Note - For explanation please watch the video in YouTube.

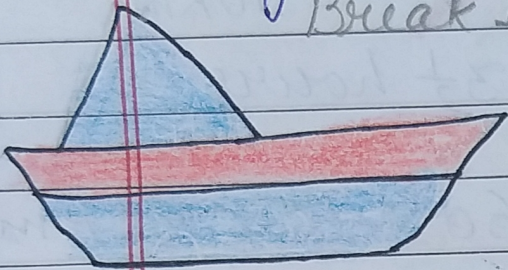
Ch - 1 THE FISH TALE

Q.1 Use some shapes to draw the different sea animals.



Q.2. A log boat travel about 4 km in 1 hour. How long will they take to go a distance of 10 km?

Sol. A log boat take time to go 4 km = 1 hour
 A log boat take time to go 10 km =
 Break 10 km in group of 4 km = $(4 + 4 + 2)$ km
 $= (4 + 4 + 2)$ km
 $= 1 \text{ hour} + 1 \text{ hour} + \frac{1}{2} \text{ hour}$
 $= 2 \text{ and } \frac{1}{2} \text{ hour.}$



So, A log boat take time to go 10 km = 2 hour 30 min

Q.3. A motor boat travel at the speed of about 20 km in one hour. Then,

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

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

Sol. (a) Motor boat go in 1 hour = 20 km
break $3\frac{1}{2}$ hour = $(3 + \frac{1}{2})$ hours

Motor boat go in first 3 hours = 20×3
= 60 km

Motor boat go in next $\frac{1}{2}$ hour = $\frac{1}{2} \times 20$
= 10 km

So, motor boat go in $3\frac{1}{2}$ hours =
= $60 + 10 = 70$ km.

Ans = 70 km.

(b) Motor boat take time to go 20 km = 1 hour
break 85 km in group of 20 = $(20 + 20 + 20 + 20 + 5)$ km
Motor boat take time to go 85 km =

$$= (20 + 20 + 20 + 20 + 5) \text{ km}$$

$$= 1 \text{ h} + 1 \text{ h} + 1 \text{ h} + 1 \text{ h} + \frac{1}{4} \text{ h}$$

$$= 4 \text{ h } 15 \text{ minutes}$$

(5 km is $\frac{1}{4}$ of 20 km)

(1 h = 60 min)

$$\frac{1}{4} \text{ of } 1 \text{ h} = \frac{1}{4} \times 60 \text{ min} = 15 \text{ min}$$

Ans = 4 h 15 min

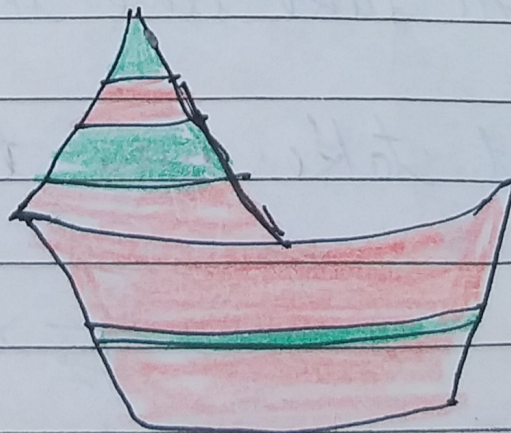
Q.4. Look at the table and calculate -

a. About how much fish in all will each type of boat bring in seven trips?

b. About how far can a motor boat go in six hours?

c. If a long tail boat has to travel 60 km how long will it take?

Type of boat	Catch of fish in 1 trip (in kg)	Speed of the boat (how far it goes in 1 hour)
Log boat	20	4 km per hour
long tail boat	600	12 km per hour
Motor boat	800	20 km per hour
Machine boat	6000	22 km per hour



Sol.	Type of boat	Catch of fish in 1 trip (kg)	Catch of fish in 7 trip (kg)
	Log boat	20	$20 \times 7 = 140 \text{ kg}$
	Long tail boat	600	$600 \times 7 = 4200 \text{ kg}$
	Motor boat	800	$800 \times 7 = 5600 \text{ kg}$
	Machine boat	6000	$6000 \times 7 = 42000 \text{ kg}$

b. Motor boat go in 1 hour = 20 km
 Motor boat go in 6 hours = $20 \times 6 = 120 \text{ km}$

Ans = 120 km

A long tail boat take time to go 12 km = 1 hour

A long tail boat take time to go 1 km = $\frac{1}{12}$ hr

A long tail boat take time to go 60 km = 5 hr

$$= \frac{1}{12} \times 60 = 5 \text{ hours}$$

Ans = 5 hours.

Q.5. There are about two lakh boats in our country. Half of them are without a motor. What is the number of boats with a motor?

Sol. Number of boats = 200000
 No. of boats without motor = $\frac{1}{2} \times 200000$
 $= 100000$

No. of boats with motor = $200000 - 100000$
 $= 100000$

So, number of boats with motor = 100000

Q.6. About one fourth of the boats with a motor are big machine boats. How many thousand machine boats are there?

Sol. No. of boats with motor = 100000
 (from above)

No. of machine boats = $\frac{1}{4} \times 100000$
 $= 25000$

So, no of machine boats = 25 thousand

$$\begin{array}{r} 25000 \\ 4 \overline{) 100000} \\ \underline{-80} \\ 20 \\ \underline{-20} \\ 0 \\ \times 000 \end{array}$$

pg no. 11

Q.7. Basheer has Rs 100. He spends one fourth of the money on squid and another three-fourth on prawns.

- a. How many kilograms of squid did he buy?
- b. How many kilograms of prawns did he buy?

Sol (a) Basheer has money = Rs 100
 He spends money on squid = $\frac{1}{4}$ of Rs 100

$$\begin{array}{r} 25 \\ 100 \\ -8 \\ \hline 20 \\ -20 \\ \hline 0 \end{array}$$

$$= \frac{1}{4} \times 100 = Rs 25$$

He buys squid in Rs 50 = 1 kg
 He buys squid in Rs 25 = $Rs 25 \div Rs 50$
 $= \frac{Rs. 25}{Rs. 50} = \frac{1}{2} kg$

So, Basheer buys $\frac{1}{2}$ kg squid prawns in Rs 25.

(b) He spends money on prawns = $\frac{3}{4}$ of Rs 100

$$= \frac{3}{4} \times 100$$
$$= 3 \times 25 = \text{Rs } 75$$

He buys prawns in Rs 150 = 1 kg

He buys prawns in Rs 75 = Rs 75 \div Rs 150

$$= \frac{\text{Rs. } 75}{\text{Rs. } 150} = \frac{1}{2} \text{ kg}$$

So, he buys $\frac{1}{2}$ kg prawns in Rs 75.

Q. 8. Twenty fisherwomen have made their own bank. Each saves Rs 25 every month and puts it in the bank.

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

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

Sol(a) No. of fisherwomen = 20

Each saves money every month = Rs 25

The group (20 fisherwomen) collect money in each month =

$$= \text{Rs } 25 \times 20$$

$$= \text{Rs } 500$$

So, the group collect money in each month = Rs 500

(b) Group collect money in 1 year =

$$= \text{Rs } 500 \times 12 \text{ (1 year)}$$

$$= \text{Rs } 6000$$

Group collect money in 10 years =

$$= \text{Rs } 6000 \times 10$$

$$= \text{Rs } 60000$$

So, 20 fisherwomen collect money in 10 years = Rs 60000

Q. 9. Gracy took a loan of Rs 4000 to buy a net. She paid back Rs 345 every month for one year. How much money did she pay back to the bank?

Sol. Gracy took loan from bank = Rs 4000
 She paid money every month = Rs 345
 back

She paid back to the bank after 1 year

$$\begin{array}{r} \text{Rs } 345 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 4140 \\ \hline \end{array}$$

$$= \text{Rs } 345 \times 1 \text{ year}$$

$$= \text{Rs } 345 \times 12 \text{ month}$$

$$= \text{Rs } 4140$$

So, Gracy paid back = Rs 4140

Q. 10. Thansi and her sister took a loan of Rs 21,000 to buy a log boat. They paid back a total of Rs 23,520 in one year. How much did they pay back every month?

Sol: Thansi and her sister took loan = Rs 21000

They paid back in one year = Rs 23520

They paid back every month =

$$1960 = \text{Rs } 23520 \div 12 \text{ years}$$

$$\begin{array}{r} 12 \overline{) 23520} \\ \underline{-12} \phant{0} \\ 115 \phant{0} \\ \underline{-108} \phant{0} \\ 72 \phant{0} \\ \underline{-72} \\ 0 \end{array} = \text{Rs } 23520 \div 12 \text{ month}$$

$$= \text{Rs } 1960$$

So, they paid back every month

$$= \text{Rs } 1960$$