



Essential Question

How can you represent real-world problems involving ratios with tables and graphs?

RATIO TABLES

help you find **EQUIVALENT** ratios in an organized way.

RATIO TABLES AND GRAPHS

At Pete's Pet Store, for every two fish with stripes, they have one fish with spots. Use the fish to help you fill in the table.



At Pete's Pet Store, for every 4 fish, they fill the aquarium with 18 gallons of water. Label the water levels next to the aquarium to help you fill in the table.



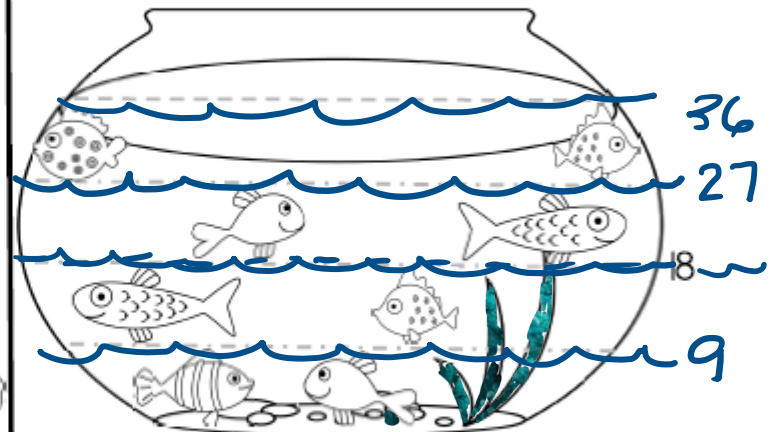
STRIPES	SPOTS
2	1
4	2
6	3
8	4



What patterns do you notice in the table?

- 2 times as many striped than spotted

- Half as many as spotted as striped.



FISH	2	4	6	8	10
GALLONS OF WATER	9	18	27	36	45

Fill in the missing numbers in the given ratio tables.

FILL

IT

IN

GOLD FISH	BLUE FISH
7	3
14	6
49	21
63	27

FISH	1	2	6	8
COST	1.25	2.50	7.50	10
FISH SOLD	3	5	30	36
DAYS	1	5	10	12

ADULT FISH	BABY FISH
9	6
18	12
3	2
6	4

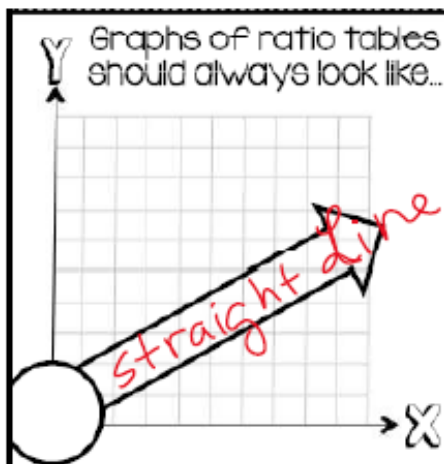
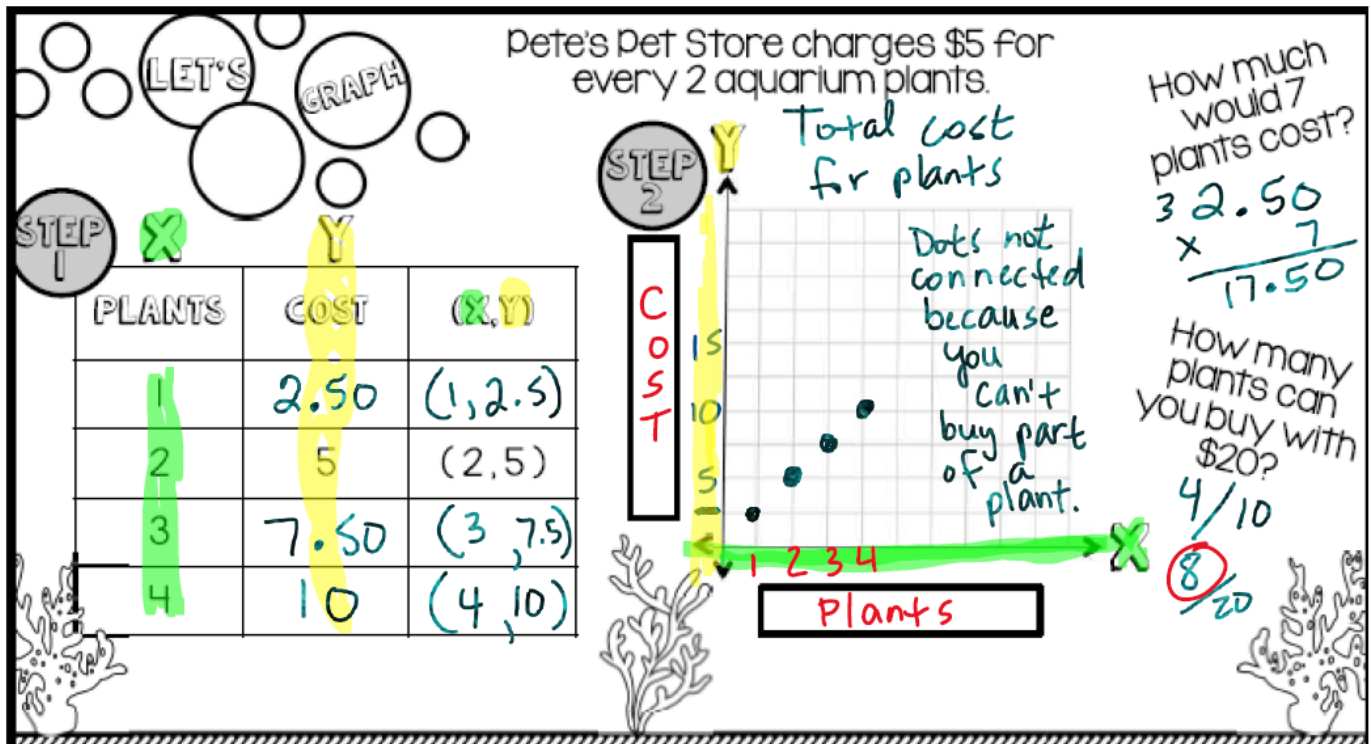
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Gold
Blue

$$\frac{7}{3} = \frac{14}{6}$$

$$\frac{7}{3} = \frac{49}{21}$$

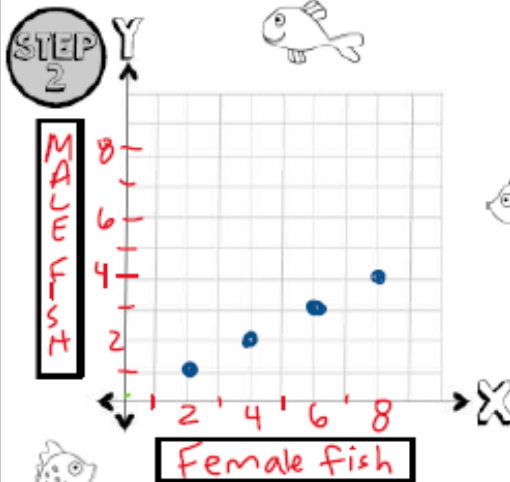
$$\frac{18}{12} = \frac{9}{6} = \frac{3}{2} = \frac{6}{4}$$



Pete's Pet Store has 6 female fish for every 3 male fish.

STEP 1

X	FEMALE	6	2	4	8
Y	MALE	3	1	2	4
	(x,y)	(6,3)	(2,1)	(4,2)	(8,4)



If there are 8 female fish, how many male fish are there?

$$8F = 4M$$

If there are 9 male fish, how many female fish are there?

$$\begin{aligned} F &= 2M \\ F &= 2(9) \\ F &= 18 \text{ fish} \end{aligned}$$

#JUSTKEEPSWIMMING

What are two things to remember as you keep swimming through ratio tables and graphs?

When you graph equivalent ratios you should get a straight line.

justkeepswimming