

Check your grade in MATH.

Formative....Correct and turn it homework.

Summative....Fill out retake form.

Answers

1. 27

2. 2916

3. 125

4. 529

5. 16

12)9

What is the ratio of red cars to blue trucks?

6:3

 $\frac{6}{3}$

6 to 3

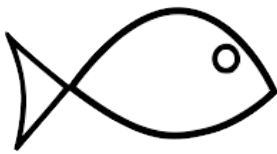


Quinn just had a large pond dug on his farm and wants to stock the pond with fish. He was researching the best way to go about this when he saw the following posting on the PondPerson blog:

“The biggest factor to keep in mind is the predator-prey ratio: Stock the pond with 1 predator fish for every 3 prey fish. Predator fish are large-mouth bass or walleye, while prey fish are perch, bluegill, or sunfish.”



Ratio is 1 predator to 3 prey

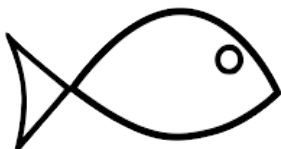
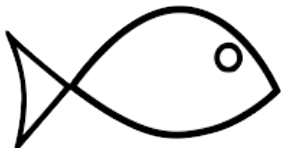
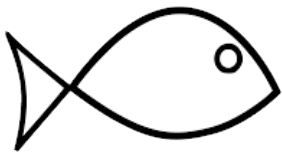
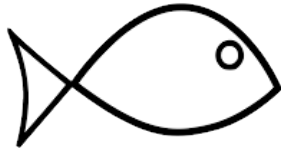
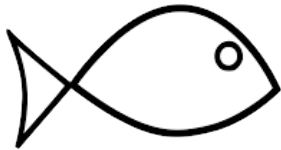




Ratio is 1 predator to 3 prey

6 predators : 18 prey

6 predators



18 prey

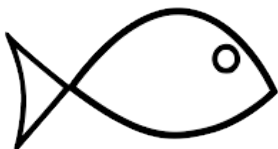
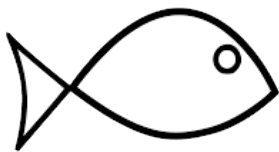
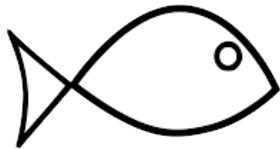
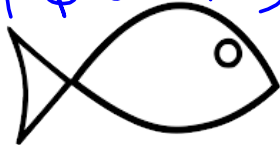




Ratio is 1 predator to 3 prey

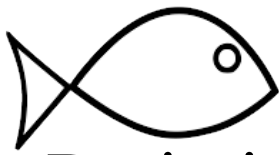
$$\frac{\boxed{4} \text{ predators}}{12 \text{ prey}}$$

4 predators



12 prey

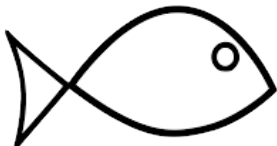
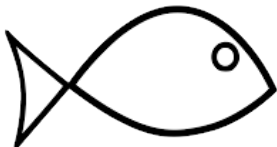
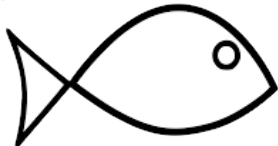
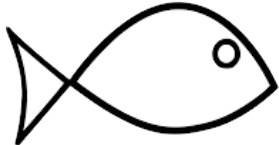
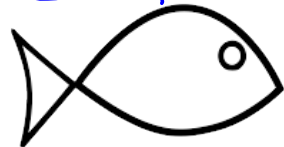




Ratio is 1 predator to 3 prey

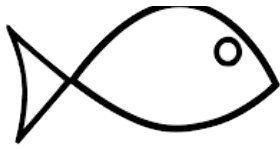
If there are 20 total fish in the pond,
then how many are predators?

5 predators



15 prey





Ratio is 1 predator to 3 prey

If there are 100 total fish in the pond,
then how many are predators?

$$\begin{array}{r} 5 \text{ predators} \\ + \\ 15 \text{ prey} \end{array} = 20 \text{ total}$$



You need 5 groups of 20 total fish,
to make 100 total fish.

$$\left(\begin{array}{r} 5 \text{ predators} \\ + \\ 15 \text{ prey} \end{array} \right) \cdot 5 = \begin{array}{r} 25 \text{ predators} \\ + \\ 75 \text{ prey} \\ \hline 100 \text{ total} \end{array}$$

What percent of the pond is prey?

$$\frac{75 \text{ prey}}{100 \text{ total}} = 75\% \text{ prey}$$

