

# Fish School

**Did You Know?** Some fish travel in large groups called schools. Fish form schools for protection from predators and to make it easier to find food. Schooling also increases the length of time a fish can swim. Some schools can contain as many as one million fish!

Color	Number of Fish
Gray	20
Orange	24
Orange/Black	32
Silver	15

Darren volunteers at a pet store. He puts an equal number of fish in each tank.

- 1 Darren puts all of the gray fish in 4 different tanks. Write subtraction equations to find how many fish Darren puts in each tank.

**5 fish in each tank;  $20 - 4 = 16$ ;  $16 - 4 = 12$ ;  $12 - 4 = 8$ ;  
 $8 - 4 = 4$ ;  $4 - 4 = 0$**

- 2 Darren wrote these subtraction equations to find the number of silver fish to put in each of 3 tanks. Write a division equation Darren could use to represent the same problem.

**$15 \div 3 = 5$**

$$15 - 3 = 12$$

$$12 - 3 = 9$$

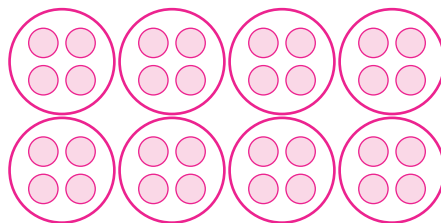
$$9 - 3 = 6$$

$$6 - 3 = 3$$

$$3 - 3 = 0$$

- 3 Darren placed all of the orange/black fish in 8 different tanks. Draw a picture to represent how the fish were shared equally among the tanks.

**Sample drawing shown.**



- 4 **Extension** Darren does not have enough tanks for each color of fish. He decides to combine the gray fish and the silver fish. There are an equal number of fish in each of 7 tanks. How many fish are in each tank? Show your answer using a division equation and subtraction equations.

**5 fish in each tank;  $20 + 15 = 35$  fish; Division:  $35 \div 7 = 5$ ;  
 Subtraction:  $35 - 7 = 28$ ;  $28 - 7 = 21$ ;  $21 - 7 = 14$ ;  
 $14 - 7 = 7$ ;  $7 - 7 = 0$**