Name _____

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1. Kisha caught a tarpon with a weight that was 10 times as great as the weight of a permit fish she caught. The total weight of the two fish was 132 pounds. How much did each fish weigh?

   First, draw one box to represent the weight of the permit fish and ten boxes to represent the weight of the tarpon.

   Next, divide the total weight of the two fish by the total number of boxes you drew. Place the quotient in each box.

   Last, find the weight of each fish.

   The permit fish weighed _____ pounds.

   The tarpon weighed _____ pounds.

2. What if the weight of the tarpon was 11 times the weight of the permit fish, and the total weight of the two fish was 132 pounds? How much would each fish weigh?

   permit fish: _____ pounds

   tarpon: _____ pounds

3. Vas caught four fish that weighed a total of 252 pounds. The kingfish weighed twice as much as the amberjack and the white marlin weighed twice as much as the kingfish. The weight of the tarpon was 5 times the weight of the amberjack. How much did each fish weigh?

   amberjack: _____ pounds

   kingfish: _____ pounds

   white marlin: _____ pounds

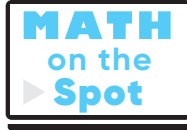   tarpon: _____ pounds

Show the Math
Demonstrate Your Thinking

On Your Own

Use the table to solve Problems 4–5.

Kevin's Supply List for a Saltwater Aquarium	
40-gal tank	$170
Aquarium light	$30
Filtration system	$65
Thermometer	$2
15-lb bag of gravel	$13
Large rocks	$3 per lb
Clown fish	$20 each
Damselfish	$7 each

4. Kevin bought 3 bags of gravel to cover the bottom of his fish tank. He has 8 pounds of gravel left over. How many pounds of gravel did Kevin use to cover the bottom of the tank?

_____

5. **MTR** Look back at Problem 4. Write a similar problem by changing the number of bags of gravel and the amount of gravel left.

_____

_____

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_____

6. The crew on a fishing boat caught four fish that weighed a total of 1,092 pounds. The tarpon weighed twice as much as the amberjack and the white marlin weighed twice as much as the tarpon. The weight of the tuna was 5 times the weight of the amberjack. How much did each fish weigh?

MATH on the ▶ Spot

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7. A fish market bought two swordfish at a rate of $13 per pound. The cost of the larger fish was 3 times as great as the cost of the smaller fish. The total cost of the two fish was $3,952. How much did each fish weigh?

_____

_____

8. Eric and Stephanie took their younger sister Melissa to pick apples. Eric picked 4 times as many apples as Melissa. Stephanie picked 6 times as many apples as Melissa. Eric and Stephanie picked 150 apples together. Draw a diagram to find the number of apples Melissa picked.