Multiplying Decimals

Name:

Solve each problem.

Ex) At the animal shelter 0.3 of the animals are cats. Of the cats 0.5 are male. What amount of the animals at the shelter are male cats?

Ex. _____**0.15**_____

1. _____

1) A new dish washing machine used 4.8 liters of water per full load to clean dishes. If Henry washed 0.9 of a load, how many liters of water would be used?

2. _____

3. _____

2) A batch of fried chicken required 2.64 liters of oil. If a fast food restaurant was making 3.20 batches, how much oil would they need?

4. _____

3) A box of markers weighed 4.98 kilograms. If a teacher took out 0.2 of the markers, what is the weight of the markers she took out?

5. _____

6. _____

4) Amy collected 2 times as many bags of cans as her friend. If her friend collected 0.72 of a bag, how much did Amy collect?

7. _____

8. _____

5) Each day a carwash used 4.4 liters of soap. After 2 days, how much soap would they have used?

9. _____

10. _____

6) Amy made spicy and regular chili for the chili cook-off. She made enough spicy to fill up 0.9 of a pot. If she made 2 times as much regular chili, how many pots of regular did she have?

7) Henry filled a pitcher up 0.1 full then poured 0.5 of the pitcher into a glass. What amount of the total pitcher did he pour into the glass?

8) An old wooden post was 4.96 meters long. If you were to cut off 0.4 of it, how much would you have cut off?

9) A jogging path was 4.60 meters. If Henry ran around the path 4.29 times, how many meters total did he run?

10) A large container of lemon juice used 0.14 of a bag of lemons. If a small container used 0.5 the amount of a large container, how much does a small container use?

Solve each problem.

Answers

Ex) At the animal shelter 0.3 of the animals are cats. Of the cats 0.5 are male. What amount of the animals at the shelter are male cats?

Ex. __**0.15**__

1) A new dish washing machine used 4.8 liters of water per full load to clean dishes. If Henry washed 0.9 of a load, how many liters of water would be used?

1. __**4.32**__

2) A batch of fried chicken required 2.64 liters of oil. If a fast food restaurant was making 3.20 batches, how much oil would they need?

2. __**8.448**__

3. __**0.996**__

3) A box of markers weighed 4.98 kilograms. If a teacher took out 0.2 of the markers, what is the weight of the markers she took out?

4. __**1.44**__

5. __**8.8**__

4) Amy collected 2 times as many bags of cans as her friend. If her friend collected 0.72 of a bag, how much did Amy collect?

6. __**1.8**__

7. __**0.05**__

5) Each day a carwash used 4.4 liters of soap. After 2 days, how much soap would they have used?

8. __**1.984**__

9. __**19.734**__

10. __**0.07**__

6) Amy made spicy and regular chili for the chili cook-off. She made enough spicy to fill up 0.9 of a pot. If she made 2 times as much regular chili, how many pots of regular did she have?

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