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Multiplying Decimals Worksheets 6th Grade

Questions

1. Find the product of:

i) 0.7×0.8

ii) 0.001×0.001

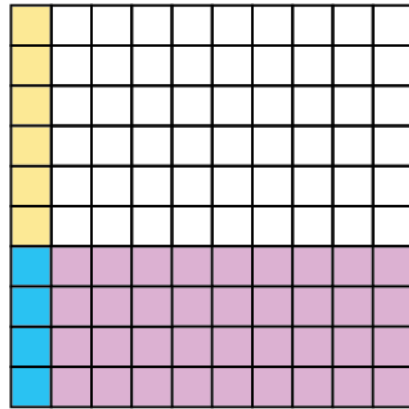
iii) 0.08×0.1

2. A coal mine produces 60.2 tons of coal per hour. How much coal will the mine produce in 15.5 hours?



3. Martha bought 2.5 pounds of strawberries at \$0.60 a pound and 5.5 pounds of bananas at \$1.19 a pound. How much did she spend for the strawberries and bananas?

4. Complete the problems using the area model already provided.



$$\boxed{} \times 0.4 = 0.04$$

5. In the number 2009.876, what digit is in the tenths place? In the number 2099.876, what digit is in the thousandths place?

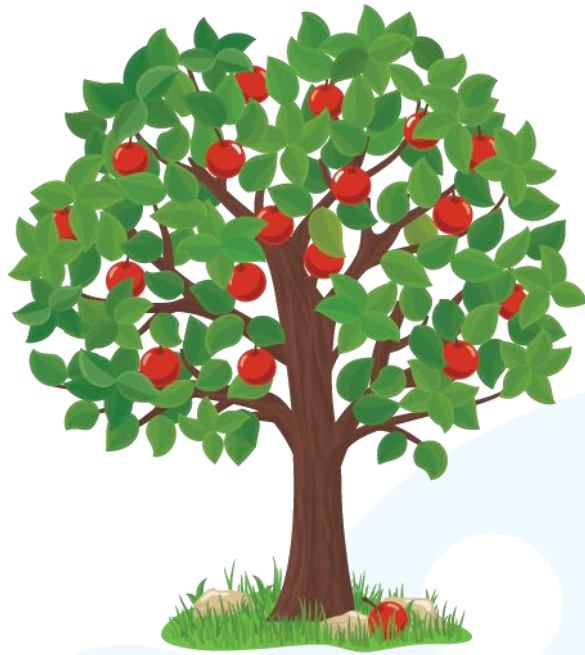
6. Jennifer weighs 17.6 kg, his older brother is 2.6 times as heavy. How much does his older brother weigh?

7. Ron bought 10.60 meters of fabric to make curtains. He bought a fabric on sale for \$6.29 per meter, how much did Ron spend?

8. Joey buys 3.700 liters of green paint and 2.500 liters of pink paint. If the green paint is \$12.95 a liter and the pink paint is \$14.95 a liter, how much does Joey spend on paint?

9. Objects weigh 2.64 times on Jupiter as much as they weigh on Earth. How much would a 6.2 pound chair weigh on Jupiter?

10. 600 apples were plucked from trees and were stored in a barrel. Each apple weighs about 0.75 pounds. What is the approximate weight of the apples in the barrel?



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- Gary Schwartz

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- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

1. 1. i) $0.7 \times 0.8 = 0.56$ ii) $0.001 \times 0.001 = 0.000001$ iii) $0.08 \times 0.1 = 0.008$	6. 6. 45.76 kg.
2. 933.1 tons	7. \$66.667
3. \$8.045	8. \$85.29
4. 0.1	9. 16.368 pounds
5. Digit in the tenths place - 8 Digit in the thousandths place - 6	10. 450 pounds

FUN FACT

1. The use of the modern decimal point was made a standard in England in 1619.
2. On multiplying a decimal by 10, you can simply move the decimal place to the right.
3. Some decimals like $\frac{1}{3} = 0.333\dots$ goes on forever where the ' \dots ' means that the 3s will never end.
4. Every decimal is a fraction but every fraction is not a decimal.

