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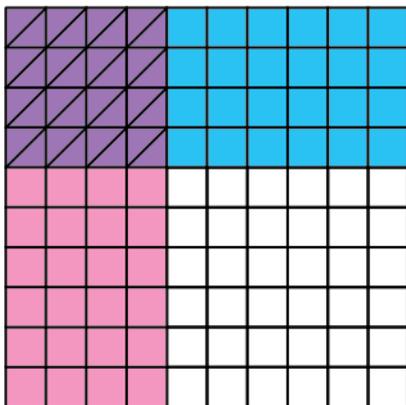
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## Multiplying Decimals Worksheets 6th Grade

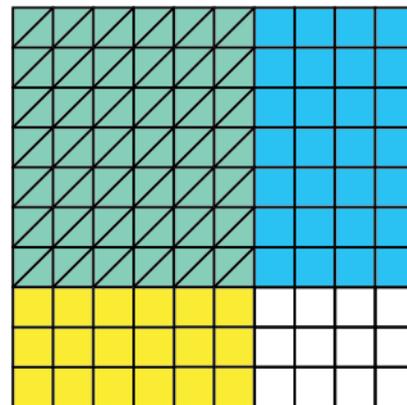
### Questions

- Find the product of:
  - $0.4 \times 0.8$
  - $0.01 \times 0.1$
  - $0.8 \times 0.8$
- A coal mine produces 50.2 tons of coal per hour. How much coal will the mine produce in 15.5 hours?
- Martha bought 3.5 pounds of strawberries at \$0.60 a pound and 7.5 pounds of bananas at \$1.19 a pound. How much did she spend for the strawberries and bananas?
- Complete the problems using the area model already provided.

$$0.4 \times 0.4 = 0.16$$



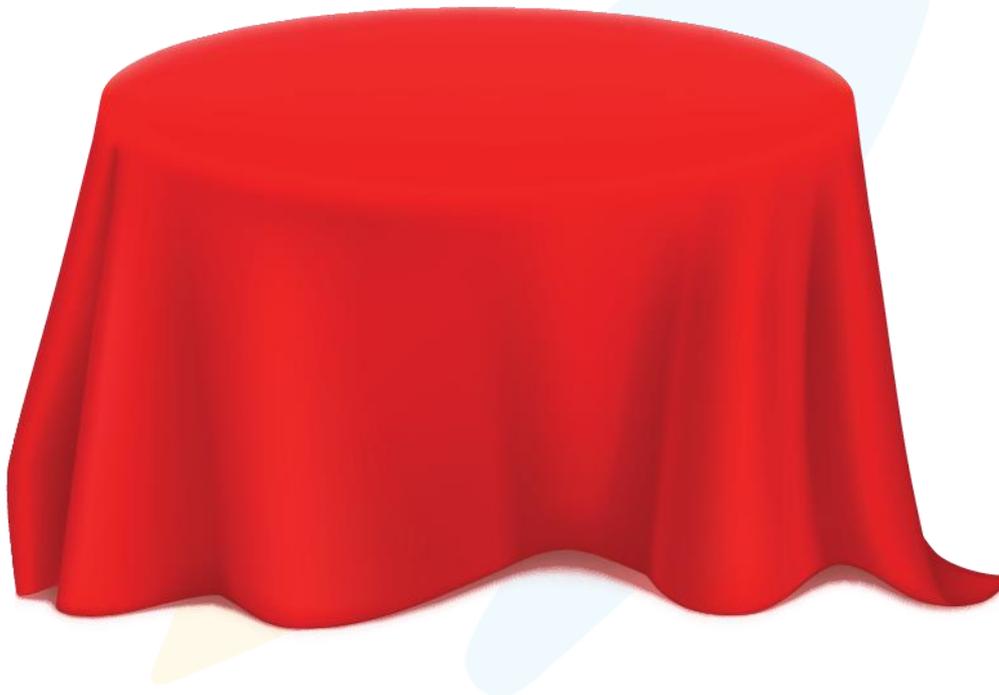
$$0.6 \times 0.7 = 0.42$$



5. In the number 2008.976, what digit is in the tenths place? In the number 2099.879, what digit is in the thousandths place

6. Jennifer weighs 16.6 kg, his older brother is 2.6 times as heavy. How much does his older brother weigh?

7. Sam bought 20.60 meters of fabric to make table cloths. He bought a fabric on sale for \$5.29 per meter, how much did Sam spend?



8. Joey buys 2.700 liters of green paint and 3.500 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 7.2 pound table weigh on Jupiter?

10. 800 apples are kept in a barrel. Each apple weighs 0.75 pounds. What is the total weight of the apples in the barrel?



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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- 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. i) $0.5 \times 0.8 = 0.40$ ii) $0.01 \times 0.1 = 0.001$ iii) $0.78 \times 0.8 = 0.624$	6. 40.32 kg.
2. 623.1 tons	7. \$135.424
3. \$6.875	8. \$59.39
4. 0.14	9. 75.6 pounds
5. 5. Digit in the tenths place - 6 Digit in the thousandths place - 9	10. 60 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 '...' means that the 3s will never end.
4. Every decimal is a fraction but every fraction is not a decimal.

