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Multiplying Decimals Worksheets 6th Grade

Questions

1. Find the product of:

i) 0.5×0.8

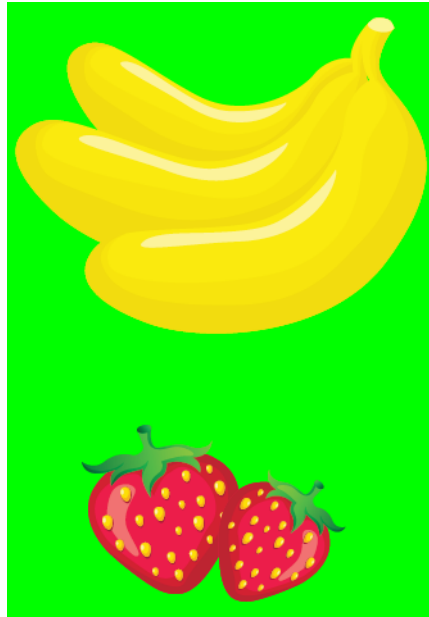
ii) 0.01×0.1

iii) 0.78×0.8

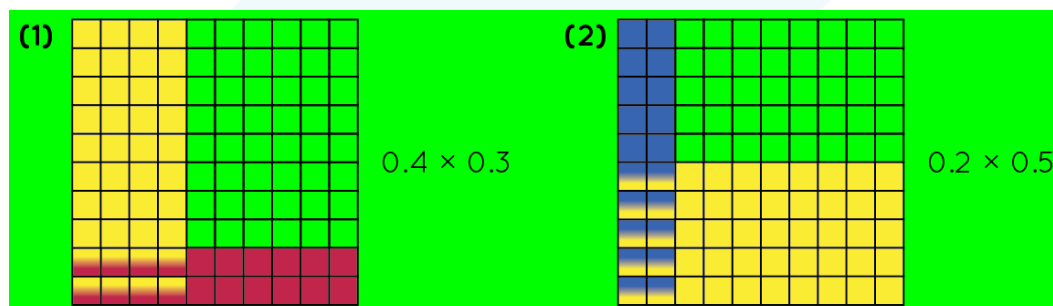
2. A coal mine produces 30.2 tons of coal per hour. How much coal will the mine produce in 15.5 hours?



3. Martha bought 4.5 pounds of strawberries at \$0.60 a pound and 4.5 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.

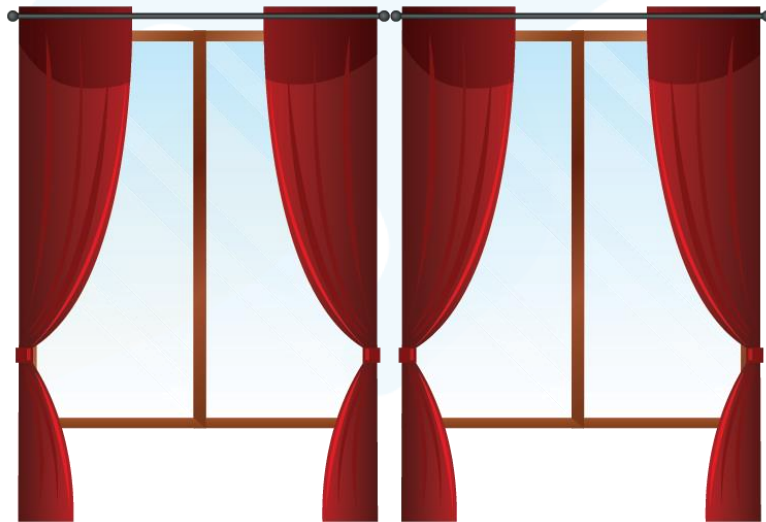


5. In the number 2009.276, what digit is in the tenths place? In the number 2099.875, what digit is in the thousandths place?

6. Jason weighs 15.6 kg, his older brother is 3.2 times as heavy. How much does his older brother weigh?



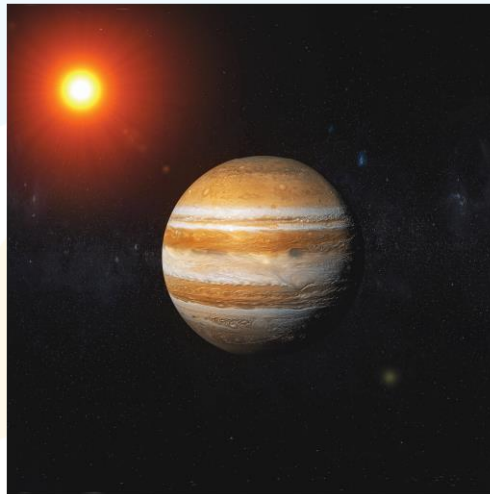
7. Mr. Fred bought 25.60 meters of fabric to tailor window drapes. He bought a fabric on sale for \$5.29 per meter, how much did Mr. Fred spend?



8. Ryan buys 1.700 liters of milk and 2.500 liters of oil. If the milk is \$12.95 a liter and the oil is \$14.95 a liter, how much did Ryan spend?



9. Objects weigh 2.64 times on Jupiter as much as they weigh on Earth. How much would a 20.5 kg bicycle pound weigh on Jupiter?



10. 80 figs are kept in a container. Each fig weighs 0.02 kg. What is the total weight of the figs?

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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) 0.5×0.8 ii) 0.01×0.1 iii) 0.78×0.8	6. 49.92 kg.
2. 468.1 tons	7. \$135.424
3. \$7.9955	8. \$59.39
4. 1. 0.12 2. 0.10	9. 147.6 pounds
5. Digit in the tenths place - 2 Digit in the thousandths place - 5	10. 1.6 kg

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.

