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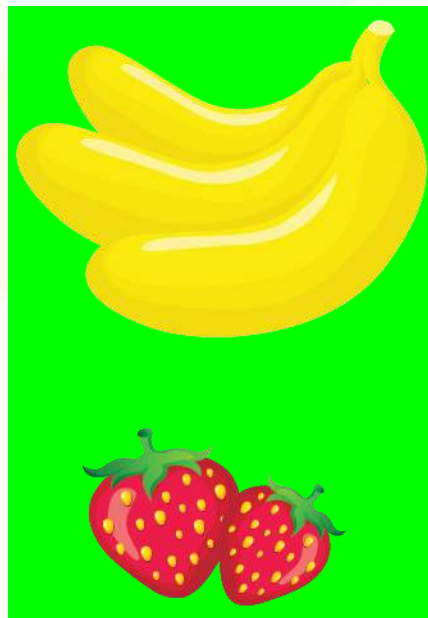
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## Multiplying Decimals by whole numbers Worksheet 3

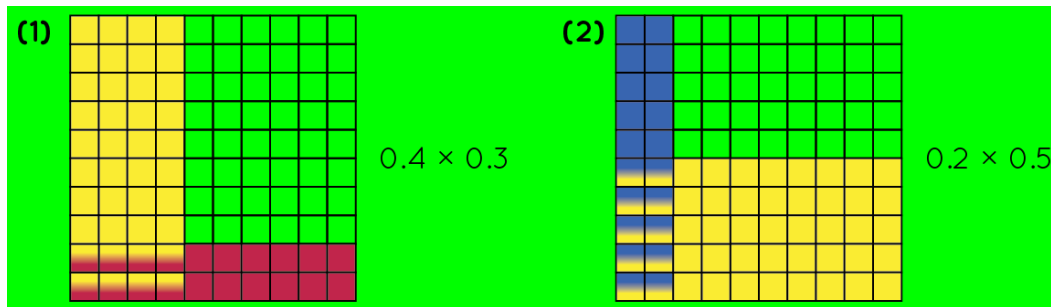
- 1) A coal mine produces 30.2 tons of coal per hour. How much coal will the mine produce in 15 hours?



- 2) Martha bought 4.5 pounds of strawberries at \$6 a pound and 4 pounds of bananas at \$1.19 a pound. How much did she spend for the strawberries and bananas?



3) Complete the problems using the area model already provided.



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

5. Jason weighs 15.6 kg, his older brother is 5 times as heavy. How much does his older brother weigh?



6. Find the product of:

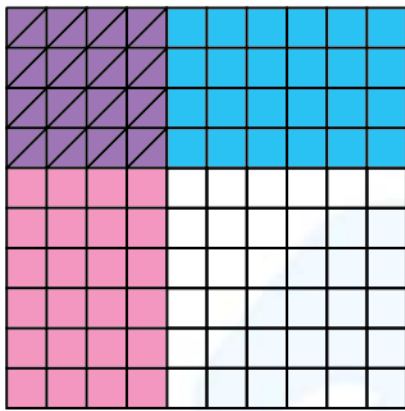
- i)  $0.4 \times 8$
- ii)  $0.01 \times 1$
- iii)  $8 \times 0.8$

7. A coal mine produces 50.2 tons of coal per hour. How much coal will the mine produce in 18 hours?

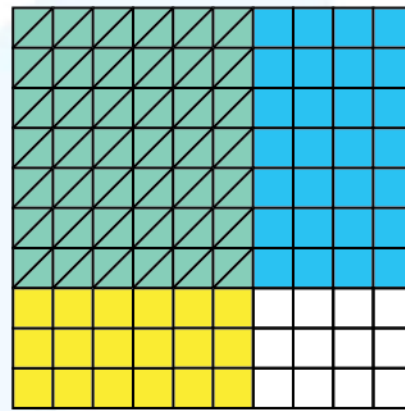
8. Martha bought 5 pounds of strawberries at \$0.60 a pound and 7 pounds of bananas at \$1.19 a pound. How much did she spend for the strawberries and bananas?

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

$$0.4 \times 0.4 = 0.16$$



$$0.6 \times 0.7 = 0.42$$



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

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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- 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."

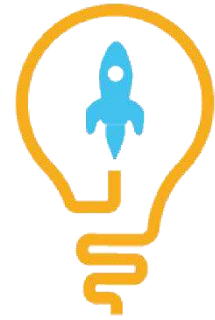
- Kirk Riley

"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)	453 tons
2)	\$31.76
3)	1) 0.12 2) 0.10
4)	Digit in the tenths place - 2 Digit in the thousandths place - 5
5)	78
6)	i) 3.2 ii) 0.01 iii) 6.4
7)	903.6
8)	\$11.33
9)	0.14
10)	Digit in the tenths place - 6 Digit in the thousandths place - 9

## 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  $1/3 = 0.333\dots$  goes on forever where the '...' means that the 3s will never end.

