Grade 5 Unit 4 worksheet: Where the point goes in a product

Name _____ Date _____ Period _____

1. Multiply. Think of tenths times tenths on a hundredths grid.

(a) 0.3 × 0.6

(b) 0.9 × 0.9

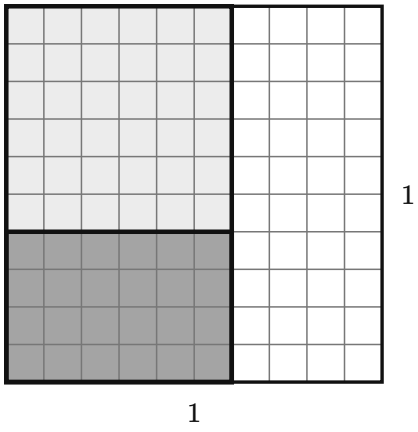
(c) 0.2 × 0.4

(d) 0.7 × 0.5

(e) 0.4 × 0.5

(f) 0.6 × 0.6

2. The whole grid is one square. Maya shades a strip of it light gray. Then she shades part of her strip dark gray.



(a) What decimal of the whole square is the strip? Count the light and dark parts together.

(b) The dark part is what decimal of the strip?

(c) What decimal of the whole square is dark? Write a multiplication of two decimals that the picture shows.

(d) Is the dark part more or less than the strip? Explain with the picture.

3. Multiply. Place the point first. Then drop any zeros at the end.

(a) 0.02 × 0.3

(b) 0.09 × 0.8

(c) 0.06 × 0.5

(d) 0.4 × 0.05

(e) 0.15 × 0.6

(f) 0.25 × 0.4

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4. In each equation the second factor has lost its decimal point. Write the second factor with its point, so the equation is true.

(a) $3.6 \times 47 = 1.692$

(b) $0.8 \times 53 = 4.24$

(c) $1.9 \times 26 = 0.494$

(d) $7 \times 34 = 0.238$

5. At the farm stand, green beans cost 2.8 dollars a pound. Samir buys 2.4 pounds.

(a) Estimate the cost.

(b) Find the exact cost.

6. Two students made a mistake.

(a) Ben says $0.4 \times 0.2 = 0.8$, because $4 \times 2 = 8$. Explain what is wrong, and find the right product.

(b) Naomi works out 0.5×0.8. She finds $5 \times 8 = 40$, drops the zero to get 4, and then counts two decimal places. She writes 0.04. Explain what is wrong, and find the right product.

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