Math Concepts HW 1 1.26.15   **First Homework of the Third Quarter!**

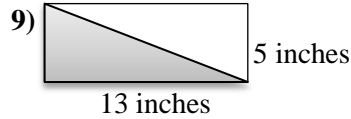**Model multiplication on a rectangle for each product:**   **1)** $38 \cdot 52$ **2)** $(7)(316)$

3) Which property says $8 \cdot 23 = 23 \cdot 8$?   **4)** Which property says $8 \cdot 23 = 8 \cdot 20 + 8 \cdot 3$?
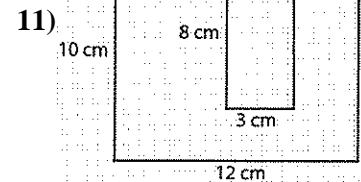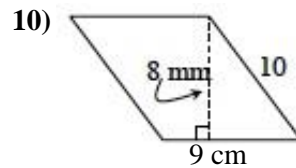
Use the distributive property to write a multiplication sentence with parentheses.
5) $9 \cdot 73 = (9 \cdot 70) + (9 \cdot \square)$ **6)** $5 \cdot 62 = (5 \cdot \square) + (5 \cdot \square)$

7) $4 \cdot 38 = (\quad) + (\quad)$ **8)** $6 \cdot 47 = (\quad) + (\quad)$

Find the shaded area.   **Find the area of each figure.**

9)

5 inches

13 inches

10)

8 mm

10

9 cm

11)

3 cm

8 cm

10 cm

3 cm

12 cm

Write as an improper fraction: 12) $4\frac{3}{5}$ **13)** $7\frac{1}{3}$ **14)** $9\frac{1}{2}$ **15)** 6

Arrange from least to greatest: 16) $5.2, 5.3, 5.23$ **17)** $6.7, 6.07, 6.11$ **18)** $0.125, 0.098, 0.15$

19) Find half of $\frac{9}{11}$.   **20)** $165\frac{1}{6} + 95\frac{3}{10}$ **21)** $90\frac{4}{5} - 84\frac{1}{8}$ **22)** $789\frac{3}{4} + 231\frac{5}{8}$

On a hot summer day, Frankie and Shay decided to buy some refreshments at the Fruit and Smoothies store. Fruit kabobs cost $1.75 each and smoothies cost $2.50 each.
23) Frankie ordered two fruit kabobs and one smoothie. How much did he spend?

24) Shay ordered three fruit kabobs and four smoothies. How much did he spend?

25) Mateo could not decide, but he had $9.00 he could spend on fruit kabobs and smoothies. He knows he wants at least one of each. List three possible orders Mateo could afford.