Name _____ Date _____

1. Dan organizes his star stickers into 3 rows of 4. Irene adds 2 more rows of stickers. Complete the number sentences to describe the total number of stickers in the array.
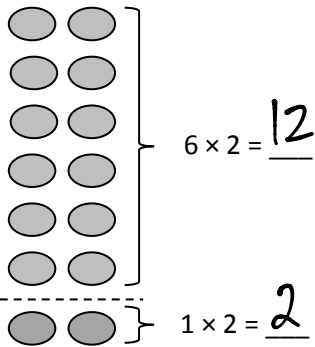
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a. $(4 + 4 + 4) + (4 + 4) =$ __20__

b. 3 fours + __2__ fours = __5__ fours

c. __4__ × 5 = __20__

2. $7 \times 2 =$ __14__

6 × 2 = __12__

1 × 2 = __2__

12 + 2 = __14__

__7__ × 2 = 14

3. $9 \times 3 =$ __27__

10 × 3 = __30__

1 × 3 = __3__

30 − __3__ = 27

__9__ × 3 = 27

Lesson 9: Find related multiplication facts by adding and subtracting equal groups in array models.
Date: 6/26/13

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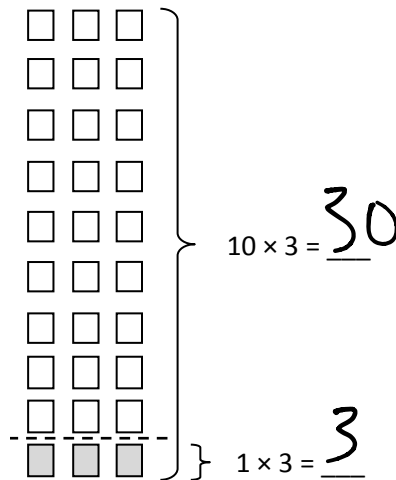
4. Franklin collects stickers. He organizes his stickers in 5 rows of 4 on his table.

   Draw an array that represents Franklin's stickers using an x to show each sticker.

   $$5 \times 4 = \underline{20}$$
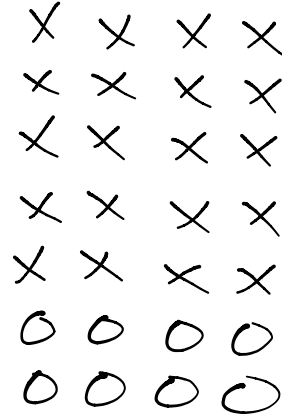
5. Franklin adds 2 more rows. Use circles to show his new stickers on the array in part 3a.

   a. Write and solve a multiplication sentence to represent the circles you added to the array.

   $$\underline{2} \times 4 = \underline{8}$$

   b. Complete the addition sentence to show how you added the totals of 2 multiplication facts to find Franklin's total number of stickers.

   $$\underline{20} + \underline{8} = 28$$

   c. Complete the unknown to show Franklin's total number of stickers.

   $$\underline{7} \times 4 = 28$$

Lesson 9:   Find related multiplication facts by adding and subtracting equal groups in array models.

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