Name _____   Date _____

1. Place parentheses in the equations to find the related fact. Then, solve.

    a. $4 \times 20 = 4 \times 2 \times 10$

          $= 4 \times 2 \times 10$
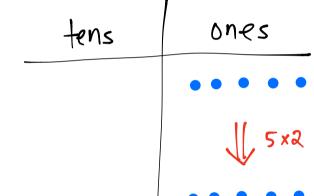
          $= \underline{8} \times 10$

          $= \underline{80}$

    b. $3 \times 30 = 3 \times 3 \times 10$

          $= 3 \times 3 \times 10$

          $= \underline{9} \times 10$

          $= \underline{90}$

2. Jamila solves 20×5 by thinking about 10 tens. Explain her strategy.

$$20 \times 5 = 5 \times 20$$
$$= 5 \times 2 \times 10$$
$$= 10 \times 10$$
$$= 10 \text{ tens}$$
$$= 100$$

tens | ones

5×2

×10

Lesson 20:   Use place value strategies and the associative property
$n \times (m \times 10) = (n \times m) \times 10$ (where n and m are less than 10) to
multiply by multiples of 10.   254

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