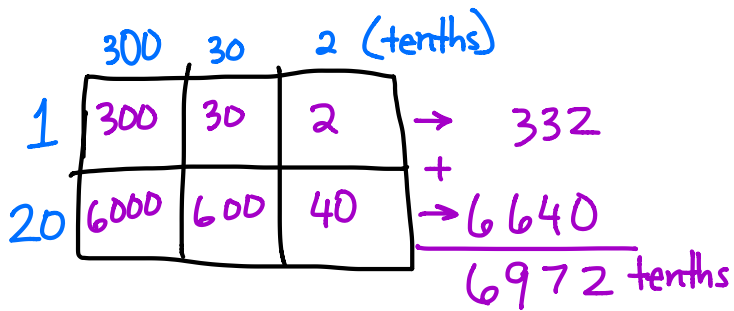Name _____   Date _____

1. Estimate the product. Solve using an area model and the standard algorithm. Remember to express your products in standard form.
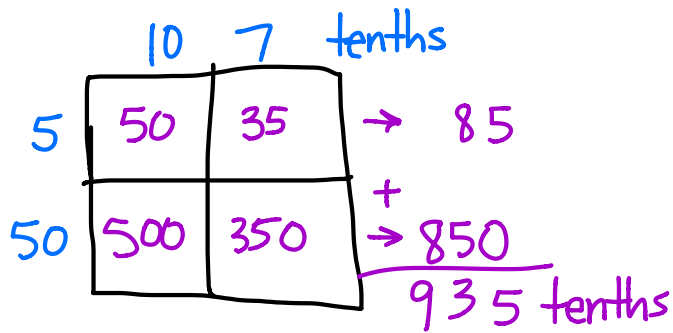
   a. $33.2 \times 21 \approx$ __33__ $\times$ __20__ = __660__

   300   30   2 (tenths)

1	300	30	2

   → 332

20	6000	600	40

   → 6640

   6972 tenths

   ```
        332 (tenths)
      x   21
        3 3 2
     +6 6 4 0
      69 72 tenths
   ```

   697.2

   b. $1.7 \times 55 \approx$ __2__ $\times$ __55__ = __110__

   10   7   tenths

5	50	35

   → 85

50	500	350

   → 850

   935 tenths

   ```
       17 tenths
     x 55
        8 5
    + 8 5 0
      9 3 5 tenths
   ```

   93.5

2. If the product of 485×35 is 16,975, what is the product of 485×3.5? How do you know?

   If $485 \times 35 = 16,975$

   then 485×35 tenths = 16,975 tenths

   which equals 1697.5

Lesson 10:   Multiply decimal fractions with tenths by multi-digit whole numbers using place value understanding to record partial products.

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