Name _____   Date _____

Example:

5 × 10 = __50__

5 ones × 10 = __5__ __tens__

thousands	hundreds	tens	ones

Draw place value disks and arrows as shown to represent each product.

1. 7 × 100 = _____

    7 × 10 × 10 = _____

    7 ones × 100 = _____   _____

thousands	hundreds	tens	ones

2. 7 × 1,000 = _____

    7 × 10 × 10 × 10 = _____

    7 ones × 1,000 = _____

    _____

thousands	hundreds	tens	ones

3. Fill in the blanks in the following equations.

    a. 8 × 10 = _____

    b. _____ × 8 = 800

    c. 8,000 = _____ × 1,000

    d. 10 × 3 = _____

    e. 3 × _____ = 3,000

    f. _____ × 3 = 300

    g. 1,000 × 4 = _____

    h. _____ = 10 × 4

    i. 400 = _____ × 100

Draw place value disks and arrows to represent each product.

4. 15 × 10 = _____

    (1 ten 5 ones) × 10 = _____ _____

thousands	hundreds	tens	ones

5. 17 × 100 = _____

    17 × 10 × 10 = _____

    (1 ten 7 ones) × 100 = _____ _____

thousands	hundreds	tens	ones

6. 36 × 1,000 = _____

    36 × 10 × 10 × 10 = _____

    (3 tens 6 ones) × 1,000 = _____ _____

ten thousands	thousands	hundreds	tens	ones

Decompose each multiple of 10, 100, or 1000 before multiplying.

7. 2 × 80 = 2 × 8 × _____

        = 16 × _____

        = _____

8. 2 × 400 = 2 × _____ × _____

        = _____ × _____

        = _____

9. 5 × 5,000 = _____ × _____ × _____

        = _____ × _____

        = _____

10. 7 × 6,000 = _____ × _____ × _____

        = _____ × _____

        = _____

Answer Key

1. Disks drawn; 700, 700, 7 hundreds

2. Disks drawn; 7,000, 7,000, 7 thousands

3.
   a. 80
   b. 100
   c. 8
   d. 30
   e. 1,000
   f. 100
   g. 4,000
   h. 40
   i. 4

4. Disks drawn; 150, 15 tens

5. Disks drawn; 1,700, 1,700, 17 hundreds

6. Disks drawn; 36,000, 36,000, 36 thousands

7. 10, 10, 160

8. 4, 100; 8, 100; 800

9. 5, 5, 1,000; 25, 1,000; 25,000

10. 7, 6, 1,000; 42, 1,000; 42,000