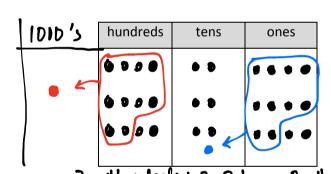
Name Date

- Represent the following expressions with disks, regrouping as necessary, writing a matching expression, and recording the partial products vertically as shown below.
 - a. 2×424

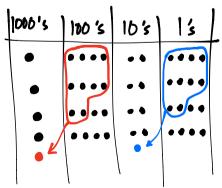
hundreds	tens	ones
• • • •	• •	• • • •
• • • •	• 8	9 0 0 0

b. 3×424

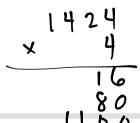


3x 4hundreds + 3x2tens + 3x4ones 12hundreds + 6tens + 12 ones

c. 4×1,424 | thousand + 2 hundreds +7 tens + 2 on es



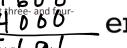
4x 1 thousand + 4x thundreds + 4x2 tens + 4x 4 ones 4 thousands + 16 hundreds + 8 tens + 16 ones 5 thousands + 6 hundreds + 9 tens + 6 ones





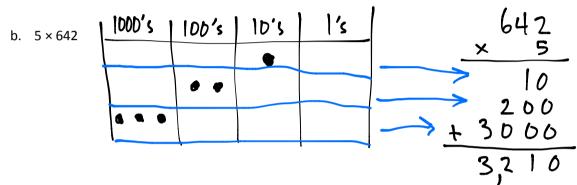
Lesson 8: Date:

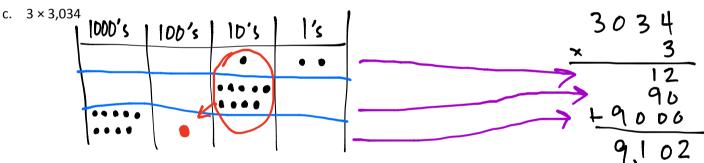
Extend the use of place value disks to represent three- and four 8/28/13



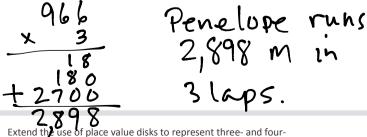
2. Represent the following expressions with disks, using either method shown in the class, regrouping as necessary. To the right, record the partial products vertically.

100'5 1D'S 1 1000's a. 2 × 617





- 3. Every day, Penelope jogs three laps around the playground to keep in shape. The playground is rectangular with a width of 163 meters and a length of 320 meters.
 - P = 2x(1+W) a. Find the total amount of meters in one lap. $= 2 \times (320 + 163)$ $= 2 \times (483)$ 966
 - b. Determine how many meters Penelope jogs in three laps.





digit by one-digit multiplication. 8/28/13

3.C.26

Lesson 8:

Date: