Penny, Leonard, and Sheldon have different strategies for finding the product of a single-digit number and a multiple of 10.

a. Show how Penny uses repeated addition to find the value of 4 x 30.

4 x 30 = ____ + ____ + ____ + ____

= ____ + ____

= ____

b. Leonard thinks of 30 as 3 tens. Show how Leonard multiplies 4 x 30.

4 x 30 = ____ x ____ tens

= ____ tens

= _____

c. To multiply 4 x 30, Sheldon ignores the zero and multiplies 4 x 3 = 12. To change units, he writes a zero on the end and gets the answer 120.

Use Sheldon's short-cut to find the products below.

1. 6 x 40 = _____

2. 7 x 50 = _____

3. 8 x 60 = _____

4. 9 x 70 = _____

 