

Multiply One-Digit Numbers by Multiples of Ten

Materials: Multiply One-Digit Numbers by Multiples of Ten Board, base ten blocks

1. Work with a partner. Choose a line of four problems (vertically, horizontally, or diagonally) from the board that you will both solve.
2. Solve the problems independently. Use base ten blocks to make equal groups of tens.
3. Draw a quick picture of the base ten blocks. Draw a stick to represent a ten and a square to represent a hundred.
4. When you have solved four problems share your solutions and strategies with your partner.
5. Repeat with another line of four problems.

A.

Tom needs to multiply 8×30 . Explain how Tom can solve the problem.



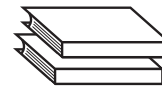
B.

There are 3 boxes with 60 pencils in each box. How many pencils are there in all?



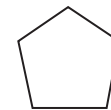
C.

There are 30 stacks of books with 6 books in each stack. How many books in all?



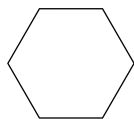
D.

Mike needs to calculate the total number of sides on 40 pentagons. How can Mike solve the problem?



E.

How many sides in total are on 60 hexagons? Explain your thinking.



F.

Jacob rides his bike for 50 minutes each day. How many minutes does he ride his bike in one week?



G.

Model 4×40 . What is the product?



H.

Lisa cut 8 lengths of ribbon. Each length of ribbon was 20cm. How many centimeters of ribbon did Lisa cut in all?



I.

A baker places 30 trays of muffins in the oven. Each tray holds 6 muffins. How many muffins in all?



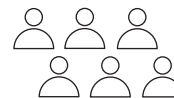
J.

What is the product of 4×300 ? Explain your thinking.



K.

Sunset Elementary has 4 third grade classes. Each class has 30 students. How many students in all?



L.

Find the unknown factor:
a) $7 \times ? = 420$
b) $? \times 40 = 360$



M.

Each shelf in the library holds 40 books. There are 8 shelves in the animal section. How many animal books are there?



N.

How would you explain to a friend how to multiply a one-digit number by a multiple of ten?



O.

There are 3 rows of apples with 30 apples in each row. How many apples are there?



P.

What is the product of 5×50 ? Explain your thinking.

