

NAME _____

DATE _____



Facts & Rectangular Prisms

1 To multiply numbers by 5, Ha-Joon first multiplies by 10 and then finds half the product.

a Write an expression with parentheses to show how Ha-Joon would solve 9×5 .

b What is 9×5 ?

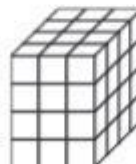
c Malik says he would rather use 10×5 to find 9×5 .

Write an expression with parentheses that uses 10×5 to find 9×5 .

Match each expression with the correct rectangular prism.

2 4 layers of 3-by-5 cubes $(3 \times 5) \times 4$

a



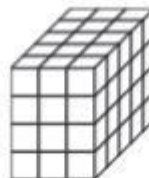
3 4 layers of 3-by-2 cubes $(3 \times 2) \times 4$

b

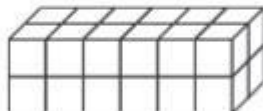


4 4 layers of 3-by-4 cubes $(3 \times 4) \times 4$

c



5 Fill in the dimensions of this rectangular prism: $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) \times \underline{\hspace{1cm}}$
dimensions of each layer number of layers



6 Find the missing numbers.

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} \square \\ \times 6 \\ \hline 42 \end{array}$$