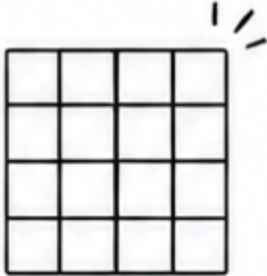


Name: _____

Date: _____

Array Model Multiplication Practice

Draw and analyze rectangular arrays to visualize and solve.



1 Draw a rectangular array for each multiplication problem.
Label the rows and columns. Then write the multiplication sentence.

a. 23×14



_____ $\times$ _____ = _____

b. 32×16



_____ $\times$ _____ = _____

c. 45×12



_____ $\times$ _____ = _____

2 Use the given arrays to write a multiplication sentence.
Then find the product.

a.

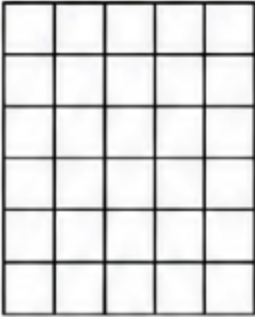


Multiplication sentence:

_____ $\times$ _____ = _____

Product: _____

b.



Multiplication sentence:

_____ $\times$ _____ = _____

Product: _____

c.



Multiplication sentence:

_____ $\times$ _____ = _____

Product: _____

3 Decompose one factor to help build an array. Show your array using parts, then combine to find the product.

a. 28×15

$28 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$



+



Multiplication sentence: _____

Product: _____

b. 34×12

$34 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$



+



Multiplication sentence: _____

Product: _____

4 Solve each using an array of your choice.

a. 21×13

_____ $\times$ _____ = _____

b. 24×17

_____ $\times$ _____ = _____

c. 36×18

_____ $\times$ _____ = _____

d. 42×15

_____ $\times$ _____ = _____