6.4 the distributive property

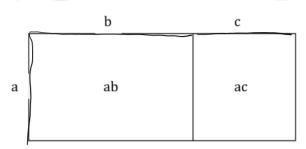
Tuesday, February 2, 2016 8:43 AM

Unit 6: Linear Equations and Graphing 6.4 The Distributive Property Notes

Math 8

Name

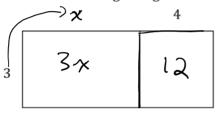
The distributive property says that a(b+c) = ab + ac = ba + ca

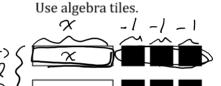


To multiply 3(x+4):

To multiply 2(x-3):

Draw a rectangle diagram.





$$2(x-3)=2x-6$$

We can solve these questions using symbols only. It is known as the rainbow method.

Example:

$$5(x+6) = 5(x) + 5(6)$$
= 5 \times + 30

$$\begin{array}{l}
-2(x-4) \\
= -2(x) + (-2)(-4) \\
= -2x + 8
\end{array}$$

Try These:

1.
$$3(x+9)$$

= $3(x)+3(9)$
= $3(x)+3(9)$

4(-x-6)= -5(x-10)= -5(x)+(-5)(-10)= -5x+50

= 3x+27 =-5x+50 -4x+-24 Assignment due Monday p. 342# 4a, 766 Shi, 86d Shi,

10, 12aceg, 14, 18a

Course planning sheets due