

Pg. 96-97; 17-45 (63, 55)

17) -28

19) -12.6

21) $\frac{4}{3}$

23) -216

25) -49

27) -54

29) 97.2

31) $-\frac{3}{2}$

33) $-7x$

35) $-5a^2$

37) $-10r^2$

39) $-2x^2$

41) -48

43) -147

45) 41

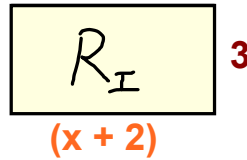
55) About 150 ft.

~~$\frac{2}{3}$~~

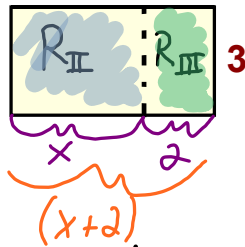
$\frac{2}{3}$

2.6 Distributive Property Sept. 29, 2006

ex| Find the Area of a Rectangle $A_R = l \cdot w$
whose length is $(x + 2)$ and width is 3 .



$$\begin{aligned} A_{R_I} &= (x + 2) \cdot 3 \\ &= \underline{\underline{3(x + 2)}} \end{aligned}$$



$$A_{R_{II}} = x \cdot 3 = \underline{\underline{3x}}$$

$$A_{R_{III}} = 2 \cdot 3 = \underline{\underline{6}}$$

$$A_{R_I} = A_{R_{II}} + A_{R_{III}}$$

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

* We took the Outside Number & Multiplied it by All the Stuff inside.

Distributive Property

The Product of 'a' and (b + c) :

$$a(b + c) = ab + ac$$

$$(b + c)a = ba + ca$$

$$a(b - c) = ab - ac$$

$$(b - c)a = ba - ca$$

ex1

$$2(x+5) = 2(x) + 2(5) \\ = \underline{\underline{2x+10}}$$

$$(1+2n)8 = 8(1) + 8(2n) \\ = \underline{\underline{8+16n}}$$

$$(2x-4)\frac{1}{2} = \frac{1}{2}(2x) - \frac{1}{2}(4) \\ = \underline{\underline{x-2}}$$

$$3(1-y) = 3(1) - 3(y) \\ = \underline{\underline{3-3y}}$$

Distributive Property with Negatives:

$$\begin{aligned} -3(x+4) &= -3(x) + -3(4) \\ &= \underline{-3x + -12} = \underline{\underline{-3x - 12}} \end{aligned}$$

$$\begin{aligned} -3(x-4) &= -3(x) - -3(4) \\ &= -3x + +12 = \underline{\underline{-3x + 12}} \end{aligned}$$

$$\begin{aligned} -1(6-3x) &= -1(6) - -1(3x) \\ &= -6 + +3x \\ &= \underline{\underline{-6 + 3x}} \end{aligned}$$

O.T.L.

① Pg. 103: 13, 15

② Pg. 104: 17, 21, 25, 28, 29,
33, 37, 39, 40, 41,
45, 49, 52, 56, 65, 67

③ Chapter⁽²⁾ Test Thursday