

Pg. 96-97; 17-45 (03, 55)

① $\overline{28}$

⑩ -12.6

⑪ $-\frac{4}{3}$

⑫ -216

⑬ -49

⑮ -54

⑲ 97.2

⑳ $-\frac{3}{2}$

③ $-7x$

⑤ $-5a^3$

⑦ $-10r^2$

⑨ $-2x^2$

⑪ -48

⑬ -147

⑮ 41

⑤ About 150 ft.

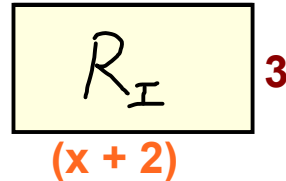
~~$\frac{2}{3}$~~

$\frac{2}{3}$

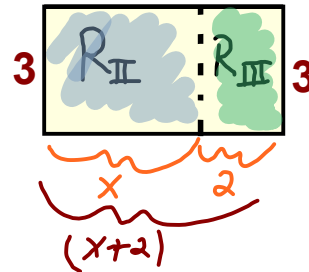
2.6 Distributive Property

Oct. 23, 2006

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



$$A_{R_I} = (x + 2) \cdot 3$$
$$= \underline{\underline{3(x + 2)}}$$



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

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

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

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

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

Distributive Property

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

$$a(b + c) = ab + ac \quad \textcircled{1}$$

$$(b + c)a = ba + ca \quad \textcircled{2}$$

$$a(b - c) = ab - ac \quad \textcircled{3}$$

$$(b - c)a = ba - ca \quad \textcircled{4}$$

ex1)

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

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

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

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

Distributive Property with Negatives:

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

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

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

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