

Mrs. Robinson

1/7/19

Math 8

Lesson 3

Practice Set

a.  $a + 12 = 31$

$-12$

$-12$

$a = 19$

e.  $14e = 420$

$e = 30$

$30$

$14 \overline{) 420}$

$-42$

$00$

b.  $b - 24 = 15$

$15$

$+24$

$b = 39$

f.  $26 + f = 43$

$-26$

$f = 17$

c.  $15c = 180$

$12$

$15 \overline{) 180}$

$-15$

$30$

$-30$

$c = 12$

g.  $51 - g = 20$

$51$

$-20$

$g = 31$

h.  $364 = 7h$

$h$

$52$

$7 \overline{) 364}$

$-35$

$14$

$-14$

$0$

$h = 52$

d.  $\frac{r}{8} = 12$

$8$

$12$

$\times 8$

$r = 96$

$$i. 3 \cdot 4n = 24$$

$$12n = 24$$

$$\begin{array}{r} 2 \\ 12 \overline{) 24} \\ \underline{24} \\ 0 \end{array}$$

$$\boxed{n = 2}$$

$$11. m - 137 = 731$$

$$+ 137$$

$$\boxed{m = 868}$$

$$13. \frac{625}{w} = 25$$

w

$$\begin{array}{r} 25 \\ 25 \overline{) 625} \\ \underline{50} \\ 125 \\ \underline{125} \\ 0 \end{array}$$

$$\boxed{w = 25}$$

$$j. 3 + 6 + m + 12 + 5 = 30$$

$$9 + m + 17 = 30$$

$$m + 26 = 30$$

$$- 26$$

$$\boxed{m = 4}$$

### Problem Set

$$1. \frac{4 \cdot 4}{4 + 4} = \frac{16}{8} = \boxed{2}$$

$$15.a) \frac{a}{b} = \frac{20}{5} = \boxed{4}$$

3. associative property of addition

$$b) a - b = 20 - 5 = \boxed{15}$$

$$5. 3 \cdot 4 = 4 \cdot 3$$

$$c) ab = 20 \cdot 5 = \boxed{100}$$

$$7. x + 83 = 112$$

$$- 83$$

$$\boxed{x = 29}$$

$$d) a + b = 20 + 5 = \boxed{25}$$

$$8. 7k = 119 \quad \boxed{k = 17}$$

$$\begin{array}{r} 17 \\ 7 \overline{) 119} \\ \underline{14} \\ 49 \\ \underline{49} \\ 0 \end{array}$$

$$17. (96 \div 16) \div 2$$

$$\begin{array}{r} 6 \\ 16 \overline{) 96} \\ \underline{96} \\ 0 \end{array}$$

$$6 \div 2 = \boxed{3}$$

$$19. \begin{array}{r} \$49.98 - \$6.48 + \$31.75 \\ - 38.23 \\ \hline \boxed{\$11.77} \end{array} \quad \begin{array}{r} 6.48 \\ \hline \$38.23 \end{array}$$

$$21. \begin{array}{r} \$8.79 \\ \times 80 \\ \hline 000 \\ \boxed{\$703.20} \end{array}$$

$$23. \begin{array}{r} 1100 - (814 - 87) \\ - 87 \\ \hline 287 \\ \hline 1100 \\ - 287 \\ \hline \boxed{813} \end{array}$$

$$25. \begin{array}{r} 4736 \\ + 271 \\ + 9 \\ 88 \\ \hline \boxed{5104} \end{array}$$

$$27. \begin{array}{r} \boxed{60 R4} \\ 35 \overline{) 2104} \\ \underline{210} \\ 04 \end{array}$$

$$29. \begin{array}{r} 3 \\ \$0.48 \\ \times 40 \\ \hline 000 \\ 1920 \\ \hline \boxed{\$19.20} \end{array}$$