

Class/Homework

pg. 336

#3(ac), #4(a,c), #5, #6, #7 (a,b), #8 (c,d), #9 a

Sheet Extra Practice 3

1, #2 ,#3, #4 ,#5, #6



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$$3a) \frac{t}{5} = 6$$

$$\frac{t}{5} \times 5 = 6 \times 5$$

$$t = 30$$

$$\begin{array}{r} \text{LS} \\ \frac{t}{5} \\ \hline 30 \\ \frac{5}{5} \\ \hline 6 \end{array}$$

$$\begin{array}{r} \text{RS} \\ 6 \end{array}$$

$$c) \frac{b}{6} = 3$$

$$\frac{b}{6} \times 6 = 3 \times 6$$

$$b = 18$$

$$\begin{array}{r} \text{LS} \\ \frac{b}{6} \\ \hline 18 \\ \frac{6}{6} \\ \hline 18 \end{array}$$

$$\begin{array}{r} \text{RS} \\ 3 \end{array}$$

$$4 \text{ a) } \frac{d}{4} = 5$$

$$\frac{d}{4} \times 4 = 5 \times 4$$

$$d = 20$$

$$\begin{array}{l} \text{LS} \\ \frac{d}{4} = 5 \\ \frac{d}{4} \cdot \frac{4}{4} = 5 \cdot 4 \\ \frac{d}{4} \cdot 4 = 20 \end{array}$$

$$\begin{array}{l} \text{RS} \\ 5 \\ 5 \end{array}$$

$$c) \frac{k}{9} = -4$$

$$\frac{k}{9} \times 9 = -4 \times 9$$

$$k = -36$$

$$\begin{array}{l} \text{LS} \\ \frac{k}{9} = -4 \\ \frac{k}{9} = \frac{-36}{9} \\ = -4 \end{array}$$

$$\begin{array}{l} \text{RS} \\ -4 \\ -4 \end{array}$$

5 $b = \#$ golf balls in bag

$$\frac{b}{4} = 8$$

$$\frac{b}{4} \times 4 = 8 \times 4$$

$$b = 32$$

$$\begin{array}{l} \text{LS} \\ \frac{b}{4} \\ \frac{32}{4} \\ = 8 \end{array}$$

$$\begin{array}{l} \text{RS} \\ 8 \end{array}$$

There are 32
golf balls in the bag.

b. $n =$ the number

$$\text{a) } \frac{n}{6} = 9$$

$$\frac{n}{6} \times 6 = 9 \times 6$$

$$n = 54$$

$$\begin{array}{l} \text{LS} \\ \frac{n}{6} = \frac{54}{6} \\ = 9 \end{array}$$

$$\begin{array}{l} \text{RS} \\ 9 \end{array}$$

$$\text{b) } \frac{n}{-4} = -3$$

$$\frac{n}{-4} \times -4 = -3 \times -4$$

$$n = +12$$

$$\begin{array}{l} \text{LS} \\ \frac{n}{-4} = \frac{12}{-4} \\ = -3 \end{array}$$

$$\begin{array}{l} \text{RS} \\ -3 \end{array}$$

$$\text{c) } \frac{n}{-5} = 7$$

$$\frac{n}{-5} \times -5 = 7 \times -5$$

$$n = -35$$

$$\begin{array}{l} \text{LS} \\ \frac{n}{-5} = \frac{-35}{-5} \\ = 7 \end{array}$$

$$\begin{array}{l} \text{RS} \\ 7 \end{array}$$

$$7. a) \frac{n}{4} + 3 = 10$$

$$\frac{n}{4} + 3 - 3 = 10 - 3$$

$$\frac{n}{4} = 7$$

$$\frac{n}{4} \times 4 = 7 \times 4$$

$$n = 28$$

$$\begin{array}{r} \text{LS} \\ \frac{n}{4} + 3 \\ \frac{28}{4} + 3 \\ 7 + 3 \\ 10 \end{array}$$

$$\begin{array}{r} \text{RS} \\ 10 \end{array}$$

$$b) \frac{m}{3} - 2 = 9$$

$$\frac{m}{3} - 2 + 2 = 9 + 2$$

$$\frac{m}{3} = 11$$

$$\frac{m}{3} \times 3 = 11 \times 3$$

$$m = 33$$

$$\begin{array}{r} \text{LS} \\ \frac{m}{3} - 2 \\ \frac{33}{3} - 2 \\ 11 - 2 \\ 9 \end{array}$$

$$\begin{array}{r} \text{RS} \\ 9 \end{array}$$

pg 33b

$$8c) -24 + \frac{w}{5} = -29$$

$$-24 + \frac{w}{5} + 24 = -29 + 24$$

$$\frac{w}{5} = -5$$

$$\frac{w}{5} \times 5 = -5 \times 5$$

$$w = -25$$

LJ	RS
$-24 + \frac{w}{5}$	-29
$-24 + \frac{-25}{5}$	
$-24 + -5$	
-29	

$$d) -17 + \frac{e}{-7} = -8$$

$$-17 + \frac{e}{-7} + 17 = -8 + 17$$

$$\frac{e}{-7} = 9$$

$$\frac{e}{-7} \times -7 = 9 \times -7$$

$$e = -63$$

LJ	RS
$-17 + \frac{e}{-7}$	-8
$-17 + \frac{-63}{-7}$	
$-17 + 9$	
-8	

9. $n =$ the number

$$a) \frac{n}{-3} + 1 = 6$$

$$\frac{n}{-3} + 1 - 1 = 6 - 1$$

$$\frac{n}{-3} = 5$$

$$\frac{n}{-3} \times -3 = 5 \times -3$$

$$n = -15$$

Extra Practice 3

2a) $\frac{d}{5} = -8$

$$\frac{d}{5} \times 5 = -8 \times 5$$

$$d = -40$$

checks

b) $\frac{f}{-6} = 10$

$$\frac{f}{-6} \times -6 = 10 \times -6$$

$$f = -60$$

c) $\frac{k}{-2} = -11$

$$\frac{k}{-2} \times -2 = -11 \times -2$$

$$k = 22$$

d) $\frac{a}{3} = -12$

$$\frac{a}{3} \times 3 = -12 \times 3$$

$$a = -36$$

3 a) $x \equiv$ chicken pieces

$$\frac{x}{4} = 7$$

these are total of 28 pieces

$$4 \times \frac{x}{4} = 7 \times 4$$

$$x = 28$$

4 a) $\frac{n}{3} - 2 = 10$

$$\frac{n}{3} - 2 + 2 = 10 + 2$$

$$\frac{n}{3} = 12$$

$$3 \times \frac{n}{3} = 12 \times 3$$

$$n = 36$$

b) $4 - \frac{p}{5} = 13$

$$4 - \frac{p}{5} = 13 - 4$$

$$5 \times \frac{-p}{5} = 9 \times 5$$

$$-p = 45$$

$$p = -45$$

d) $\frac{t}{4} + 8 = -5$

$$\frac{t}{4} = -13$$

$$4 \times \frac{t}{4} = -13 \times 4$$

$$t = 117$$

d) $-17 + \frac{n}{3} = 9 + 11$

$$\frac{n}{3} = 26$$

$$-3 \times \frac{n}{3} = 26 \times -3$$

$$n = -78$$

5 a) $\frac{n}{4} = 7$

$$n = 28$$

b) $4 + \frac{n}{3} = -2$

$$\frac{n}{3} = -6$$

$$3 \times \frac{n}{3} = -6 \times 3$$

$$n = -18$$

c) $1 - \frac{n}{6} = 5$

$$-\frac{n}{6} = 4$$

$$6 \times -\frac{n}{6} = 4 \times 6$$

$$-n = 24$$

$$n = -24$$

$$-\frac{n}{6} + 1 = 5$$

Attachments

Extra Practice 3 Involving Fractios.pdf