

HW #18 solutions (odd)

① $9:12$ or $\frac{9}{12}$ or 9 to 12

③ $9:10$ or $\frac{9}{10}$ or 9 to 10

⑤ $12:9$ or $\frac{12}{9}$ or 12 to 9

⑦ $12:14$ or $\frac{12}{14}$ or 12 to 14

⑨ $14:15$ or $\frac{14}{15}$ or 14 to 15

HW #19 Solutions (odd)

① 5 pencils to 3 pens, 5 pencils : 3 pens, 5:3

③ $\frac{12}{28}$ $\xrightarrow{\times 2}$ $\frac{24}{56}$ $\xrightarrow{\div 2}$ $\frac{12}{28}$ $\xrightarrow{\div 2}$ $\frac{6}{14}$ $\xrightarrow{\div 4}$ $\frac{3}{7}$

⑤ $\frac{10}{3}$ $\xrightarrow{\times 2}$ $\frac{20}{6}$ $\xrightarrow{\times 3}$ $\frac{30}{9}$ $\xrightarrow{\times 4}$ $\frac{40}{12}$

⑪ $\frac{1800 \text{ miles}}{25 \text{ minutes}}$ $\xrightarrow{\div 25}$ $\frac{72 \text{ words}}{1 \text{ minute}}$

HW #20 Solutions (odd)

①

4	8	12	16
7	14	21	28

③

2	4	6	8
5	10	15	20

⑤

3	6	9	12
15	30	45	60

⑦

1	2	3	4
3	6	9	12

⑨

$$\frac{10 \text{ sit-ups}}{2 \text{ minutes}} \xrightarrow{\times 12} \frac{120 \text{ sit-ups}}{24 \text{ minutes}}$$

I predict it will take Britney 24 minutes to do 120 sit-ups.

HW #21 Solutions (odd)

$$\frac{8 \text{ students}}{2 \text{ parents}} = \frac{4 \text{ students}}{1 \text{ parent}} \text{ this is the } \underline{\text{Unit Rate}}$$

①

$$\frac{8 \text{ students}}{2 \text{ parents}} \xrightarrow{\times 11} \frac{88 \text{ students}}{22 \text{ parents}}$$

③

$$\frac{4 \text{ students}}{1 \text{ parent}} \xrightarrow{\times 7} \frac{28 \text{ students}}{7 \text{ parents}}$$

⑤

$$\frac{4 \text{ students}}{1 \text{ parent}} \xrightarrow{\times 104} \frac{416 \text{ students}}{104 \text{ parents}}$$

HW # 22 solutions (odd)

① Veggie salad Bar

② $\frac{18 \text{ greens}}{12 \text{ veggies}} \xrightarrow{\div 6} \frac{3 \text{ greens}}{2 \text{ veggies}}$ - Green salad Bar

- ⑤ a) 12
b) 8

P#1 HW # 23 solutions (odd)

①

Time (minutes)	1.5	2	3	3.5	5
Copies	60	86	120	140	200

⑤ $\frac{240 \text{ Copies}}{6 \text{ minutes}}$

⑦ 20 minutes

P#2

① (1, 50)

③ 10 hours, since

$\frac{50 \text{ miles}}{1 \text{ hour}} \xrightarrow{\times 10} \frac{500 \text{ miles}}{10 \text{ hours}}$

⑤ $(1, 60) = \frac{1}{60}$
 $(3, 4) = \frac{3}{4}$

$\frac{1}{60} \xrightarrow{\times 3} \frac{3}{Y}$
 $\xrightarrow{\times 3}$

Thus, $Y = 60 \times 3 = 180$

HW # 24 solutions (odd)

(3) $\frac{4 \text{ students}}{1 \text{ Adult}} = \frac{8 \text{ students}}{2 \text{ Adults}}$

(5) $\frac{4 \text{ students}}{1 \text{ Adult}} = \frac{32 \text{ students}}{8 \text{ Adults}}$

8 Chaperones will be needed.

(9) $\frac{5}{9} = \frac{d}{36}$ $d = 20$

(7) $\frac{75}{36} = \frac{5}{5}$ $s = 2$

(13) $\frac{18 \text{ cups of flour}}{78 \text{ pancakes}} = \frac{6 \text{ cups of flour}}{26 \text{ pancakes}}$

(11) $\frac{z}{7} = \frac{45}{35}$ $z = 9$

HW # 25 solutions (odd)

(1) $\frac{6 \text{ feet}}{72 \text{ inches}} = \frac{1 \text{ foot}}{12 \text{ inches}}$

(3) $\frac{1 \text{ liter}}{1000 \text{ milliliters}} = \frac{2 \text{ liters}}{2000 \text{ milliliters}}$

The height of the doorway is 72 inches

The capacity of the water bottle is 72 inches.

(5) $\frac{1 \text{ gallon}}{4 \text{ quarts}} = \frac{2 \text{ gallons}}{8 \text{ quarts}}$, $\frac{1 \text{ quart}}{2 \text{ pints}} = \frac{8 \text{ quarts}}{16 \text{ pints}}$, $\frac{1 \text{ pint}}{2 \text{ cups}} = \frac{16 \text{ pints}}{32 \text{ cups}}$

she makes 32 cups of punch.

(7) $\frac{100 \text{ centimeters}}{1 \text{ meter}} = \frac{250 \text{ centimeters}}{2.5 \text{ meters}}$

The height of the oak tree is 2.5 meters.