

Page 391 Answers

- 2) a. \$1,792-\$2,150
b. \$1,750 - \$2,100
c. \$1,625 - \$1,950
- 3) \$60,000
- 4) a. no
b. Yes, but not recommended.
- 5) \$5,808
- 6) a. yes
b. yes
- 7) \$100 per hour loading/unloading
\$90 per hour packing/unpacking

Set up a system of equations.

$$3x + 2y = 480$$

$$5x + 2y = 680$$

After using elimination, $x = \$100$, $y = \$90$

⑥ G.B.P. 2200

$$.18 \times 2200 = -396$$

$$.10 \times 2200 = -220$$

$$.05 \times 2200 = -110$$

$$\begin{array}{r} \$1474.00 \\ \times 26 \\ \hline \end{array}$$

NET

1200/market

$$\begin{array}{r} \$38,324 \\ \hline \end{array}$$

$$\begin{array}{r} \$3,193.67 \\ \hline \end{array}$$

$$\frac{1200}{3193.67} = \underline{\underline{37.5\%}}$$

$$2200 \times 26 = \frac{\$57,200}{12}$$

MS.P. $\$4,766.67$

$1200 / 4766.67$
 25%

⑤ RENT \$1300

$$2\% \text{ AP P} \rightarrow .02 \times 1300 = \$26$$

$$\text{CREDIT} \rightarrow = \$10$$

$$\text{SEC} \longrightarrow = 1300$$

$$- \text{LAST MONTH'S} \longrightarrow = 1300$$

$$\text{BROKER'S } (.12 \times 1300 \times 12) = 1872$$

\$4508⁰⁰

1300⁰⁰

\$5808

28% HOUSING
\$1400⁰⁰

1400 is 28% of SAURT
| |
1400 = .28X

GROSS

6 B/W 2200 → × 26 ↓

18% TAXES

10% SCHOOL LOAN

5% SAVINGS

$$\frac{57200}{12} = 4766.66$$

APT
\$1200/MTH

$$A = \frac{1200}{4766.67} = .25 = 25\%$$

$$B = .33 \times 4766.67 = 1577.99$$

② 25-30%

1900/wk
x 12

\$22,800/12 = \$1,900

\$1,900
x .25 x .30

\$475 \$570

\$475 → \$1,625 \$570 → \$1,950

$$3x + 2y = 400$$

$$-(5x + 2y = 600)$$

$$-5x - 2y = -600$$

$$+ 3x + 2y = 400$$

$$\frac{-2x}{-2} = \frac{-200}{-2}$$

$$x = \$100$$

$$3(100) + 2y = 400$$

$$300 + 2y = 400$$

$$-300$$

$$2y = 100$$

$$\frac{2y}{2} = \frac{100}{2}$$

$$y = \$90$$

③ 28% of GROSS MONTHLY
 ↳ TO HOUSING

OR \$1400/MTH

Q: WHAT IS JESSICA'S
 ANNUAL SALARY?

1400 IS 28% OF MONTHLY
 INCOME

$$\frac{1400}{28} = \frac{.28m}{.28}$$

$$5000 = m$$