Answer each of the following questions showing your work in the space provided.

1. Karissa, Sarah, and Mary are partners in a Taco business.  They needed $72 000 to start their business.  They invested in the ratio 3:5:7, Mary to Karissa to Sarah.  How much did Sarah invest?

2. Eamon purchased 15,000 shares of stock for $32.57 per share.  He sold them for $45.62 per share.  Express his gross capital gain to the nearest tenth of a percent.

3. The Over the MoOn Corporation pays an annual dividend of $1.85 per share.  On Tuesday it closed at $38 per share with a net change of +0.85.  The dividend remained at $1.85 for several months.  Round Monday's yield to the nearest tenth of a percent.
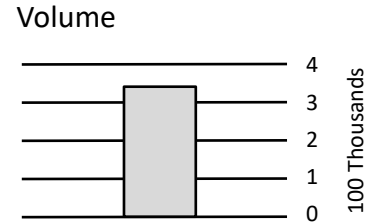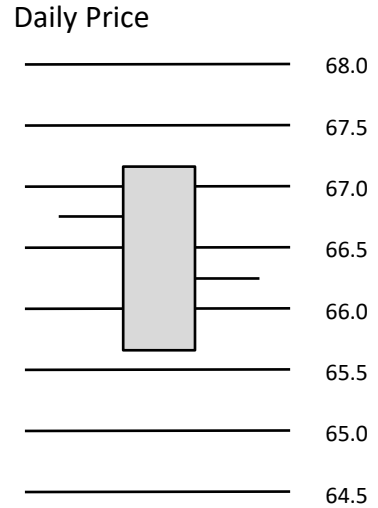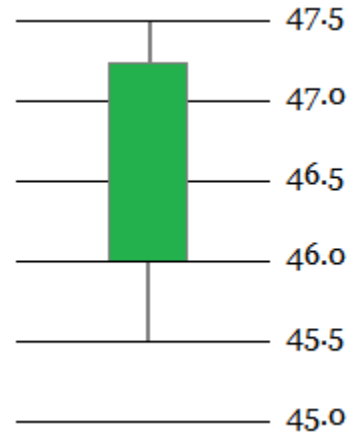
4. Use the stock bar chart to determine the information below.

   a. The open _____

   b. The close _____

   c. The high _____

   d. The low _____

   e. Number of shares sold _____

**Daily Price**

— 68.0
— 67.5
— 67.0
— 66.5
— 66.0
— 65.5
— 65.0
— 64.5

**Volume**

— 4
— 3
— 2
— 1
— 0

100 Thousands

5. Use the *red* candlestick chart to determine the following.

   a. The open _____

   b. The close _____

   c. The high _____

   d. The low _____

   e. The change _____

— 47.5
— 47.0
— 46.5
— 46.0
— 45.5
— 45.0

6. Austin owns 1,200 shares of XYX Corporation. The company instituted a 1-for-5 reverse stock split September 7. The pre-split market price was $5.50 per share.

   a. Number of shares Austin holds after the split _____

   b. The post-split price per share was _____

   c. In the space below, demonstrate that the split was a monetary non-event for Austin.

Go on to the next page.

7. Mac tracks his ITT stocks on his cell phone with an app that shows the ticker. He sold a small percentage of his stocks and the app showed a ticker of ITT 1.25K@27.13▲1.63.

   a. How many shares did he sell? _____

   b. What was the price per share? _____

   c. What was the closing price *the previous* day? _____

   d. In the space below, calculate his gross capital gain if he bought the stock at $20.63 per share.

8. Calculate the 3 day SMA for 29 May. Be sure to show your numerical setup and your final answer.

| Date | Close |
|--------|-------|
| 26 May | 28.05 |
| 27 May | 28.44 |
| 28 May | 28.18 |
| 29 May | 28.31 |
| 30 May | 28.32 |
| 2 June | 27.80 |
| 3 June | 27.31 |

9. A stock that was selling for $m per share underwent an *a*-for-*b* split.
Express the price per share after the split algebraically.

10. Find the simple interest on a principle of $5,300 deposited for 5 years in an account that pays a rate of 3.25%.

This is the last page.