Lesson Practice

Choose the correct answer.

1. Mrs. Simpson drove 105 miles in 2 1/2 hours. What was Mrs. Simpson's speed in miles per hour?
   A. 35 miles per hour
   B. 42 miles per hour
   C. 45 miles per hour
   D. 52.5 miles per hour

2. A restaurant charges a single price for its buffet. The total bill for a table of 6 people having the buffet was $294. Each of the 8 people at a second table also had the buffet. What was the total bill at the second table?
   A. $392
   B. $441
   C. $490
   D. $588

3. On a standardized test, Raul answered the first 22 questions in 5 minutes. There are 77 questions on the test. If he continues to answer questions at the same rate, how long will it take him to complete the test from start to finish?
   A. 15 minutes
   B. 16 minutes
   C. 16 1/2 minutes
   D. 17 1/2 minutes

4. Kendall knows that a 45-ounce pitcher can hold enough lemonade for 6 people. At this rate, how many ounces of lemonade will Kendall need to serve 26 people?
   A. 45 ounces
   B. 71 ounces
   C. 180 ounces
   D. 195 ounces

5. One 50-pound bag of fertilizer will cover 75 square feet of lawn. How many pounds of fertilizer will Tawny need to cover 120 square feet of lawn?
   A. 80 pounds
   B. 70 pounds
   C. 60 pounds
   D. 50 pounds

6. A factory uses 15 pounds of steel for every 18 pounds of copper. How much copper will the factory use for 2,700 pounds of steel?
   A. 2,250 pounds
   B. 2,400 pounds
   C. 3,240 pounds
   D. 3,700 pounds
7. A computer downloads a 48-kilobyte file in 5 seconds. At this rate, how long will it take the computer to download a file that is 120 kilobytes?
   A. 2 seconds
   B. 11 seconds
   C. 12.5 seconds
   D. 14.4 seconds

8. Taylor buys 8 comic books for $18. Each comic book costs the same amount.
   A. What is the cost per comic book that Taylor pays? Show your work.

   ________________________________________________________________

   ________________________________________________________________

   B. At this rate, how many comic books can Taylor buy with $27? Show your work.

   ________________________________________________________________

   ________________________________________________________________
Find all of the missing angles.

1) \[ L_1 = \_
L_2 = \_
L_3 = \_
L_4 = \_
L_5 = 73^\circ
L_6 = \_
L_7 = \_
L_8 = \_
\]

2) \[ L_1 = 110^\circ
L_2 = \_
L_3 = \_
L_4 = \_
L_5 = \_
L_6 = \_
L_7 = \_
L_8 = \_
\]

3) \[ L_1 = \_
L_2 = \_
L_3 = \_
L_4 = 81^\circ
L_5 = \_
L_6 = \_
L_7 = \_
L_8 = \_
\]

4) \[ L_1 = \_
L_2 = \_
L_3 = 120^\circ
L_4 = \_
L_5 = \_
L_6 = \_
L_7 = \_
L_8 = \_
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5) \[ L_1 = \_
L_2 = \_
L_3 = \_
L_4 = \_
L_5 = \_
L_6 = 66^\circ
L_7 = \_
L_8 = \_
\]

6) \[ L_1 = \_
L_2 = 119^\circ
L_3 = \_
L_4 = \_
L_5 = \_
L_6 = \_
L_7 = \_
L_8 = \_
\]
Find all of the missing angles.

1) $L_1 = 73^\circ$
   $L_2 = 107^\circ$
   $L_3 = 73^\circ$
   $L_4 = 107^\circ$
   $L_5 = 73^\circ$
   $L_6 = 107^\circ$
   $L_7 = 73^\circ$
   $L_8 = 107^\circ$

2) $L_1 = 110^\circ$
   $L_2 = 70^\circ$
   $L_3 = 110^\circ$
   $L_4 = 70^\circ$
   $L_5 = 110^\circ$
   $L_6 = 70^\circ$
   $L_7 = 110^\circ$
   $L_8 = 70^\circ$

3) $L_1 = 99^\circ$
   $L_2 = 81^\circ$
   $L_3 = 99^\circ$
   $L_4 = 81^\circ$
   $L_5 = 99^\circ$
   $L_6 = 81^\circ$
   $L_7 = 99^\circ$
   $L_8 = 81^\circ$

4) $L_1 = 120^\circ$
   $L_2 = 60^\circ$
   $L_3 = 120^\circ$
   $L_4 = 60^\circ$
   $L_5 = 120^\circ$
   $L_6 = 60^\circ$
   $L_7 = 120^\circ$
   $L_8 = 60^\circ$

5) $L_1 = 114^\circ$
   $L_2 = 66^\circ$
   $L_3 = 114^\circ$
   $L_4 = 66^\circ$
   $L_5 = 114^\circ$
   $L_6 = 66^\circ$
   $L_7 = 114^\circ$
   $L_8 = 66^\circ$

6) $L_1 = 61^\circ$
   $L_2 = 119^\circ$
   $L_3 = 61^\circ$
   $L_4 = 119^\circ$
   $L_5 = 61^\circ$
   $L_6 = 119^\circ$
   $L_7 = 61^\circ$
   $L_8 = 119^\circ$