8th Grade Standard Math p. 31 Lesson 1-5: 3-12, 14-16, 24-32 Answer key

3) You know the cost of the materials and the amount you hope to make. You need to find the amount you should charge for each collar. The number of collars, which is necessary for solving the problem. Is missing.

4) You know Paul's rate and the time that he ran for each of the two days, and you know Jen's rate and the time that she ran the second day. You need to find the total distance Paul ran. Jen's rate and time are irrelevant.

5) You know the temperature in Rome and the temperature in Dallas. You know the formula to convert Fahrenheit temperatures to Celsius temperatures. You need to find the higher temperature.

6) The formula for perimeter is wrong; $P = 2l + 2w$; P = 2(200) + 2(150) = 700; $10(700) = $7000

7) The student found the Area instead of the perimeter.
P = 2(200) + 2(150) = 400 + 300 = 700 feet
Cost = 700($10) = $7000

8) $C = \frac{5}{9}(F - 32)$ **9)** $P = I - E$ **10)** $A = \frac{1}{2}bh$

11) C **12) D** **14) $126** **15)** $46.25\ in^2$ **16) 18 weeks**

24) $\frac{17}{20}$; 85% **25)** $1\frac{1}{4}$; 125% **26)** $\frac{49}{200}$; 24.5%

27) $\frac{7}{1000}$; 0.7% **28)** $52\ ft^2$; $24\ ft^3$ **29)** $\frac{1}{3}v$

30) $\frac{22}{h}$ **31) 2m + 7** **32) 2(y + 3)**