Lesson 9-16 Unit Test 2 Review

1. 9.72 (2)
$\times .8$ (1)
7.776 (3)

2. 3.262×5.390
293580
97860
1631000
$17.582180 = 17.58218$

6 digits to the right of the decimal

Write % as a decimal and a whole number.

3. $8\% = .08 = \frac{8 \div 4}{100 \div 4} = \frac{2}{25}$

4. $250\% = 2.5 = 2\frac{1}{2}$

Write each % as a reduced fraction.

5. $10\% = \frac{10}{100} = \frac{1}{10}$

6. $30\% = \frac{30}{100} = \frac{3}{10}$

Write each fraction as a decimal and a percent.

7. $\frac{3}{5} = .6 = 60\%$

8. $\frac{3}{4} = .75 = 75\%$

Write the mixed number as a perent and a decimal.

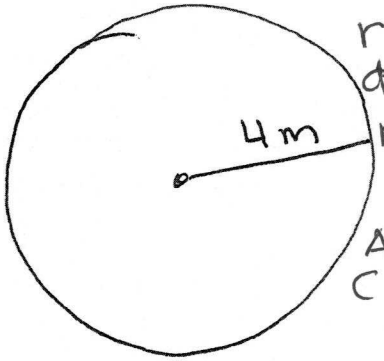
9. $7\frac{1}{2} = \frac{700}{100} + \frac{50}{100} = \frac{750}{100} = .7.5 = 750\%$

Convert the measures. K H Dk unit d c m

10. 3.5 m $= 350$ cm move two units left (or $\div$ by 100)

11. 732 kg $= 73,200,000$ cg move 5 places right (or $\times$ by 100,000)

Use the decimal value of π to find the area and circumference of the circle.



$r = 4m$
$d = 8m$
$r^2 = 16$

$A = \pi r^2 = (3.14)16 =$
$C = \pi D = (3.14)8 =$

12. Area = $50.24\ m^2$

13. Circumference = $25.12\ m$

14. $6\frac{2}{5} \times 3\frac{2}{5} = \frac{32}{5} \times \frac{17}{5} = \frac{544}{25} = 21\frac{19}{25}$

15. $7\frac{1}{4} \div \frac{2}{5} = \frac{29}{4} \times \frac{5}{2} = \frac{145}{8} = 18\frac{1}{8}$

16. Levi got 65% (of) the questions on his ~~test~~ correct. IF there were 60 questions, how many were correct?

65% of 60 = $65 \times .60 =$ $\begin{array}{r} 65 \\ \times .6 \\ \hline 39.0 \end{array}$

39 QUESTIONS CORRECT

17. Zac order a car part that cost $126. IF he had to pay 9% tax and 5% shipping, use a percent greater than 100% to calculate his total cost.

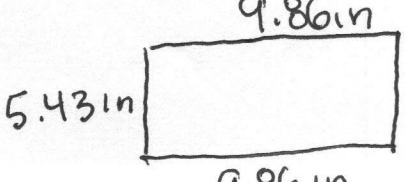
$126 = 100%
tax = 9%
+ shipping = 5%
114%

114% = 1.14

$\begin{array}{r} 126 \\ \times 1.14 \\ \hline 504 \\ 126 \\ 126 \\ \hline 143.64 \end{array}$

$143.64

18. What is the perimeter of a rectangle that measures 9.86 inches by 5.43 inches?



$\begin{array}{r} 9.86 \\ 9.86 \\ 5.43 \\ 5.43 \\ \hline 30.58\ in \end{array}$

P = 30.58 inches