Test 24, Form B SHOW YOUR WORK Name: _____

Give after Lesson 125

1. If ten gum balls cost $2.50, how much would forty gum balls cost?

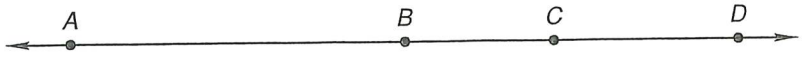
$10

2. A bolt of cloth is 40 yards long. How many feet long is a bolt of cloth?

120 feet

3. The length of segment *AD* is 8 cm. The length of segment *AB* is half the length of segment *AD*. Segment *CD* is 2 cm long. Find the length of segment *BC*.

2 cm



4. If $\frac{1}{3}$ of the 21 students were boys, how many **more** girls were in the class?

$\frac{1}{3} \times \frac{21}{1} = \frac{21}{3} = 7$ boys

$21 - 7 = 14$ girls

7 more girls

5. Write 40% as a reduced fraction.

$\frac{40}{100} = \frac{2}{5}$

6. In a roll of 40 nickels, 8 were minted before 1983. What percent of the nickels in the roll were minted before 1983?

$\frac{8}{40} \div \frac{4}{4} = \frac{2}{10} = 20\%$ $\frac{18}{50} \times \frac{2}{2} = \frac{36}{100} = 36\%$

$14 - 7 = 7$ more girls

Round each number in problems 7–9 to the nearest whole number:

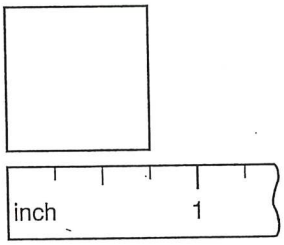
7. $3\frac{2}{7}$ 3

8. 101.496 101

9. 13.209 13

10. What is the perimeter of this square?

3 in.



Go over 4+6 # HW class change numbers

11. 4.76 + 8 + 0.241 + 3.6

16.601

12. 3.4 − 0.43 2.97

13. 9 − 8.94

0.06

14. 1.7 × 0.6 1.02

15.
$$\begin{array}{r} 0.21 \\ \times\ 0.7 \\ \hline 0.147 \end{array}$$

16. $3\frac{5}{7} + \left(2 - 1\frac{4}{7}\right)$

$4\frac{1}{7}$

Solve and reduce:

17. ~~$\frac{3}{5} \times \left(6 \times \frac{11}{12}\right)$~~ $3\frac{3}{10}$

18. $2\frac{2}{3} + 3\frac{2}{3} = 6\frac{1}{3}$

19. $\frac{6}{7} \div 3 = \frac{2}{7}$

20. If 20 of the 200 horses are black, then what percent of the horses are black?

$\frac{20}{200} = \frac{2}{2} = \frac{10}{100} = 10\%$

17.) $\frac{3}{5} \times \frac{66}{12}$ $\frac{3}{5} \times 5\frac{6}{12} =$ $5\frac{1}{2} = \frac{11}{2}$

$\frac{3}{5} \times \frac{11}{2} = \frac{33}{10} =$