Unit 3 STUDY GUIDE (CCM6 and CCM6+)

For #1-3, reduce these fractions to simplest form.

(Remember your divisibility rules???)

1. $\dfrac{18}{20}$ 2. $\dfrac{16}{32}$ 3. $\dfrac{20}{55}$

For #4-6, change mixed to improper or improper to mixed.

4. $1\dfrac{7}{8} =$ 5. $\dfrac{19}{6} =$ 6. $5\dfrac{3}{4} =$

For #7-10, Solve. Your answer must be simplified and proper!

7) $1\dfrac{1}{6} \bullet \dfrac{2}{3} =$ ____   A. $\dfrac{14}{18}$ B. $\dfrac{7}{9}$ C. $\dfrac{2}{18}$ D. $1\dfrac{1}{9}$

8) $2\dfrac{1}{4} \bullet 1\dfrac{1}{6} =$ ___ A. $3\dfrac{2}{10}$ B. $2\dfrac{1}{24}$ C. $2\dfrac{5}{8}$ D. $\dfrac{21}{8}$

9) $\dfrac{3}{5} \div 4 =$ _____   A. $\dfrac{3}{20}$ B. $\dfrac{12}{5}$ C. $2\dfrac{2}{5}$ D. $\dfrac{1}{12}$

10) $10 \div 2\dfrac{1}{2} =$ _____ A. 25 B. $\dfrac{50}{2}$ C. 4 D. $\dfrac{20}{5}$

Word Problems. Your answers must be simplified and proper!

11) The track around Martin is ¼ of a mile long. Mr. Castro ran 12 miles. How many laps did he run?

12)   Julie has 8 yards of fabric. It takes 1 ½ yards of fabric to make one costume. How many costumes can Julie make?

13) How much chocolate will one person get if three people share 1/2 of a pound of chocolate equally?

14) How many ¾ cup servings are in 4 1/2 of a cup of yogurt?

15) How wide is a rectangular strip of land with a length of ¾ mile and an area of ½ square mile?