6th Grade Review Math Assignment   Name _____Key_____

Do not use a calculator on this assignment. Show your work on each topic.

Topic 1: Order of Operations
Use the order of operations to solve the problems.

1) $14 \times 12 \div 6 - 6$

$\boxed{22}$

2) $12 + 2 \times 14 \div 2$

$\boxed{26}$

3) $14 \div 2 + 9 \times 2$

$\boxed{25}$

4) $17 + 4 - 1 \times 7$

$\boxed{14}$

Topic 2: Multiplying Double Digit Numbers

1) $\begin{array}{r} 43 \\ \times\ 48 \end{array}$

$\boxed{2064}$

2) $\begin{array}{r} 72 \\ \times\ 22 \end{array}$

$\boxed{1584}$

3) $\begin{array}{r} 69 \\ \times\ 66 \end{array}$

$\boxed{4554}$

4) $\begin{array}{r} 37 \\ \times\ 82 \end{array}$

$\boxed{3034}$

5) $\begin{array}{r} 90 \\ \times\ 64 \end{array}$

$\boxed{5760}$

6) $\begin{array}{r} 51 \\ \times\ 38 \end{array}$

$\boxed{1938}$

Topic 3: Long Division

1) $5\overline{)275}$

$\boxed{55}$

2) $3\overline{)162}$

$\boxed{54}$

3) $5\overline{)427}$

$\boxed{85.4}$
or
$85\frac{2}{5}$

4) $44\overline{)1276}$

$\boxed{29}$

5) $58\overline{)1972}$

$\boxed{34}$

6) $47\overline{)2914}$

$\boxed{62}$

Topic 4: Convert the Following Mixed Numbers to Improper Fractions

1) $5\frac{1}{10} = \frac{51}{10}$ 2) $7\frac{1}{2} = \frac{15}{2}$ 3) $4\frac{5}{9} = \frac{41}{9}$ 4) $8\frac{3}{4} = \frac{35}{4}$ 5) $3\frac{1}{3} = \frac{10}{3}$ 6) $5\frac{3}{7} = \frac{38}{7}$

Topic 5: Convert the Following Improper Fractions to Mixed Numbers

1) $\frac{33}{10} = 3\frac{3}{10}$ 2) $\frac{62}{9} = 6\frac{8}{9}$ 3) $\frac{26}{9} = 2\frac{8}{9}$ 4) $\frac{18}{4} = 4\frac{1}{2}$ 5) $\frac{35}{8} = 4\frac{3}{8}$ 6) $\frac{44}{6} = 7\frac{1}{3}$

Topic 6: Reducing Fractions
Reduce the following fractions to simplest form.

1) $\dfrac{20}{30} = \dfrac{2}{3}$ 2) $\dfrac{28}{42} = \dfrac{2}{3}$ 3) $\dfrac{7}{14} = \dfrac{1}{2}$ 4) $\dfrac{8}{14} = \dfrac{4}{7}$ 5) $\dfrac{10}{35} = \dfrac{2}{7}$

Topic 7: Adding Fractions
Add the fractions. Write your answer in simplest form.

1) $\dfrac{1}{12} + \dfrac{2}{12} =$ 2) $\dfrac{4}{5} + \dfrac{1}{2} =$ 3) $\dfrac{2}{4} + \dfrac{2}{3} =$ 4) $1\dfrac{1}{5} + 5\dfrac{1}{3} =$ 5) $3\dfrac{4}{10} + 9\dfrac{1}{3} =$

$\dfrac{1}{4}$ $1\dfrac{3}{10}$ $1\dfrac{1}{6}$ $6\dfrac{8}{15}$ $12\dfrac{11}{15}$

Topic 8: Subtracting Fractions
Subtract the fractions. Write your answer in simplest form.

1) $\dfrac{2}{5} - \dfrac{4}{10} =$ 2) $\dfrac{2}{3} - \dfrac{3}{10} =$ 3) $\dfrac{7}{10} - \dfrac{2}{4} =$ 4) $7\dfrac{9}{10} - 4\dfrac{1}{2} =$ 5) $8\dfrac{1}{2} - 1\dfrac{2}{5} =$

0 $\dfrac{11}{30}$ $\dfrac{1}{5}$ $3\dfrac{2}{5}$ $7\dfrac{1}{10}$

Topic 9: Multiplying Fractions
Multiply the fractions. Write your answer in simplest form.

1) $\dfrac{2}{5} \times \dfrac{1}{4} =$ 2) $\dfrac{2}{5} \times \dfrac{3}{4} =$ 3) $\dfrac{1}{3} \times \dfrac{9}{10} =$ 4) $4\dfrac{2}{5} \times 2\dfrac{1}{2} =$ 5) $2\dfrac{4}{5} \times 4\dfrac{1}{4} =$

$\dfrac{1}{10}$ $\dfrac{3}{10}$ $\dfrac{3}{10}$ 11 $11\dfrac{9}{10}$

Topic 10: Dividing Fractions
Divide the fractions. Write your answer in simplest form.

1) $\dfrac{4}{5} \div \dfrac{1}{4} =$ 2) $\dfrac{1}{3} \div \dfrac{2}{10} =$ 3) $\dfrac{3}{4} \div \dfrac{1}{3} =$ 4) $4\dfrac{1}{3} \div 2\dfrac{1}{2} =$ 5) $3\dfrac{1}{2} \div 4\dfrac{1}{3} =$

$3\dfrac{1}{5}$ $1\dfrac{2}{3}$ $2\dfrac{1}{4}$ $1\dfrac{11}{15}$ $\dfrac{21}{26}$