Valerie Johnson

Math

MM pg 12

11/9/12

1a) Sixty-one thousand, eight hundred seventy-two

1b) even   1c) 61,870   1d) 61,900

1e) 62,000   1f) 60,000

1g) 61,872   1h) 61,972   1i) 60,872
    − 100
    61,772   1j) 62,872

1k) 60,000 + 1000 + 800 + 70 + 2

2) $\frac{7}{10}$ or 0.7   3) 62|+4

4a) ten thousands   4c) tens
4b) millions   4d) thousands

$$5) \quad \overset{+4}{18} \times .05 \over .90$$

$$6) \quad 3\overline{)270} \quad \overset{90}{} \quad -27 \over 00$$

$$7) \quad 20 \div 4 = 4\overline{)20} \quad \overset{5}{} = 20 \over 0$$

8)
$$\frac{5 \div 5}{25 \div 5} = \frac{1}{5}$$

$5)\overline{25}$

9a) 5: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50

20: 20, 40, 60, 80, 100, 120, 140, 160, 180, 200

9b) 20, 40   **9c)** LCM = 20

10) $16 + n = 16 + (7 \cdot 5)$

$16 + n = 16 + 2$

$16 + n = 18$

$n + 16 = 18$

$\underline{-16 = -16}$

$n + 0 = 2$

$n = 2$

11) $\frac{3 \times 3}{5 \times 3} + \frac{1 \times 5}{3 \times 5}$

5, 10, 15   3, 6, 9, 12, 15

$\left(\frac{3 \times 3}{5 \quad 3}\right) + \left(\frac{1}{3} \times \frac{5}{5}\right)$

$\frac{9}{15} + \frac{5}{15} = \frac{9+5}{15} =$

$\frac{14}{15}$

12) $5\frac{6}{8}$

$+ \ 2\frac{1}{8}$

$(5 + 2) + \frac{6}{8} + \frac{1}{8} = \frac{7}{8}$

$7\frac{7}{8}$

13) $\frac{1}{3}$

14) $1\frac{1}{3} \times \frac{5}{9} =$

$\frac{3 \times 1 + 1}{3} \times \frac{5}{9}$

$\frac{3+1}{3} \times \frac{5}{9}$

$\frac{4}{3} \times \frac{5}{9}$

$\frac{4 \times 5}{3 \times 9} = \frac{20}{27}$

15a) $19\overset{1}{2},994$

$+ \quad 17,611$

$210,605$

15b) $19\overset{8\ 12}{2},994$

$- \quad 17,611$

$175,383$

16a) 6: 1, 2, 3, 6

24: 1, 2, 3, 4, 6, 8, 12, 12

16b) 1, 2, 3, 6

16c) GCF = 6

17) $<$

18a) $3\frac{7}{10} = 3.7$

18b) $3.1 = 3\frac{1}{10}$

19a) 5 5, $\boxed{6}$ 10, 12   19b) mode = 5

19c)
$$
\begin{array}{r}
5 \\
5 \\
6 \\
10 \\
+\ 12 \\
\hline
38
\end{array}
$$

$$
5\overline{\smash{)}38} \quad 7\frac{3}{5}
$$
$$
-35
$$
3 nur

19d)
$$
\begin{array}{r}
12\ max \\
-\ 5\ min \\
\hline
7\ range
\end{array}
$$

20)
$$
\begin{array}{r}
9.867 \\
+\ 200.400 \\
\hline
210.267
\end{array}
$$

21)
$$
\begin{array}{r}
69.2\ secs \\
+\ .62 \\
\hline
69.82\ secs
\end{array}
$$
1 min. 9.82 secs

22a) 14,000
or 14,400
or 14,500

22b)
$$
\begin{array}{r}
9332 \\
+\ 5174 \\
\hline
14,506
\end{array}
$$

23a)
L×W+
L+W
$$
\begin{array}{r}
23 \\
17 \\
23 \\
17
\end{array}
$$
$$
\begin{array}{r}
46 \\
+\ 34 \\
\hline
80\ in.
\end{array}
$$

23b) L×W
$$
\begin{array}{r}
23 \\
\times\ 17 \\
\hline
161 \\
+\ 230 \\
\hline
391\ in^2\ or\ sq in.
\end{array}
$$

24) $\overrightarrow{CD}$ or Ray CD