

## **Summer Math Review of Grade 4**

### **for Students Entering Grade 5 in August 2018**

The Math skills listed below have been covered **this school year (2017-2018)** in grade 4 and should be practiced over the summer for mastery by **every student**. **All students will be tested on these skills on Tuesday, August 21, 2018.**

Skills needing practice:

1. Write numbers in standard form, word form, & expanded form.
2. In a given number, identify the place of the underlined digit.
3. Round numbers to the greatest place or to the place of the underlined digit.
4. Add 3 or more addends.
5. Add & subtract 2-, 3-, 4-, & 5-digit numbers with & without regrouping.
6. Multiply 2-, 3-, & 4-digit numbers by 1-digit multipliers with & without regrouping.
7. Multiply 2- & 3-digit numbers by 2-digit multipliers with & without regrouping.
8. Divide 2-, 3-, & 4-digit dividends by 1-digit divisors to find quotients with & without remainders.
9. Add & subtract fractions with like denominators.
10. Write fractions in lowest terms/simplest form.

**STUDENTS MUST ALSO KNOW THEIR MULTIPLICATION FACTS: 0 THROUGH 12!** Random, timed multiplication assessments will be given beginning the first week of school. Students should complete approximately 35 problems in 90 seconds.

Resources for practice:

- IXL website: [www.ixl.com/signin/oll](http://www.ixl.com/signin/oll)
- Prodigy Math Games website: [www.prodigygame.com](http://www.prodigygame.com)
- Math based computer games
- Math websites such as [multiplication.com](http://multiplication.com)
- Math review workbooks (available at school supply stores such as Educator in Metairie),
- Online school supply websites: [www.schoolspecialty.com](http://www.schoolspecialty.com) and [www.amazon.com](http://www.amazon.com)
- Math workbook from this school year
- Google
- Kahoot website: <https://create.kahoot.it/>

A sample problem along with the answer for each skill is listed below. Students should practice as many problems as need for mastery of each skill. Please email [kmaples@ollourdes.org](mailto:kmaples@ollourdes.org) for IXL login questions.

1. Standard form: 435,861  
 Word form: four hundred thirty-five thousand, eight hundred sixty-one  
 Expanded form:  $400,000 + 30,000 + 5000 + 800 + 60 + 1$

2. Identify the place of the underlined digit. Example 1: 9,350,274  
 hundred thousands place  
 Example 2: 42,901,685  
 millions place

3. Round numbers to the greatest place. Example 1: 15,927  
 20,000  
 Example 2: 325,739  
 300,000

Round to the place of the underlined digit. Example: 8,620,975  
 8,600,000

$$\begin{array}{r} \overset{1}{4} \overset{2}{5} \overset{1}{2} \\ 4. \quad 521 \\ 6594 \\ + 2527 \\ \hline 9,713 \end{array}$$

$$\begin{array}{r} \overset{1}{6} \overset{1}{7} \\ 5. \quad 6753 \\ + 2908 \\ \hline 9661 \end{array}$$

$$\begin{array}{r} \overset{7}{8} \overset{12}{8} \overset{3}{2} \overset{18}{4} \\ - 57,539 \\ \hline 30,709 \end{array}$$

$$\begin{array}{r} \overset{7}{4} \overset{8}{8} \\ 6. \quad 48 \\ \times 9 \\ \hline 432 \end{array}$$

$$\begin{array}{r} \overset{3}{2} \overset{6}{4} \overset{2}{9} \\ 2493 \\ \times 7 \\ \hline 17,451 \end{array}$$

$$\begin{array}{r} \overset{1}{8} \overset{2}{3} \\ 7. \quad 83 \\ \times 65 \\ \hline 415 \\ + 4980 \\ \hline 5,395 \end{array}$$

$$\begin{array}{r} \overset{3}{9} \overset{4}{5} \overset{1}{1} \\ \overset{1}{8} \overset{1}{5} \overset{5}{9} \\ 8. \quad 951 \\ \times 79 \\ \hline 8559 \\ + 66570 \\ \hline 75,129 \end{array}$$

$$\begin{array}{r} \overset{7}{9} \overset{1}{6} \overset{7}{7} \text{ r. } 4 \\ 9 \overline{) 67} \\ - 63 \\ \hline 4 \end{array}$$

$$\begin{array}{r} \overset{6}{5} \overset{1}{3} \overset{2}{2} \text{ r. } 2 \\ 5 \overline{) 327} \\ - 30 \\ \hline 27 \\ - 25 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 9. \quad \frac{2}{9} \\ + \frac{5}{9} \\ \hline \frac{7}{9} \end{array}$$

$$\frac{1}{10} + \frac{3}{10} = \frac{4}{10} = \frac{2}{5}$$

$$\begin{array}{r} \frac{7}{8} \\ - \frac{5}{8} \\ \hline \frac{2}{8} = \frac{1}{4} \end{array}$$

$$10. \quad \frac{2}{6} = \frac{1}{3}$$

$$\frac{9}{12} = \frac{3}{4}$$