

## **Fifth Grade Summer Work (Math)**

Please work on this packet over the summer and bring the completed packet on the first **full day** of school. You can use scrap paper for your work. If you use scrap paper, please staple it to the packet!

While calculators can be very helpful, please do all of the work on your own so that I can see what you really know. I already know that a calculator is capable of multiplying and dividing.

Have a great summer!

## Multiplication Practice

You must know your multiplication facts in 5th grade. If you do not have them mastered yet, please do some fact drills over the summer. You will have timed fact quizzes once school starts!

Find the product.

$$\begin{array}{r} 1. \quad 64 \\ \times 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 97 \\ \times 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 42 \\ \times 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 42 \\ \times 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 31 \\ \times 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 27 \\ \times 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 91 \\ \times 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 71 \\ \times 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 53 \\ \times 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 96 \\ \times 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 19 \\ \times 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 51 \\ \times 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 75 \\ \times 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 80 \\ \times 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 59 \\ \times 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r}
 22 \\
 \times 43 \\
 \hline
 66 \\
 + 880 \\
 \hline
 946
 \end{array}$$

Example:

Don't forget the '0' placeholder!

Find the product.

$$\begin{array}{r}
 1. \quad 35 \\
 \times 97 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 2. \quad 36 \\
 \times 20 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 3. \quad 29 \\
 \times 64 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 4. \quad 53 \\
 \times 95 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 5. \quad 71 \\
 \times 74 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 6. \quad 74 \\
 \times 11 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 7. \quad 19 \\
 \times 77 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 8. \quad 96 \\
 \times 58 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 9. \quad 68 \\
 \times 17 \\
 \hline
 \\
 \hline
 \end{array}$$

## Division Practice

Remember: Divide→ Multiply→ Subtract→ Bring Down→ Repeat

Find the quotient with remainder.

1.

$$5 \overline{)98}$$

2.

$$9 \overline{)58}$$

3.

$$7 \overline{)93}$$

4.

$$4 \overline{)38}$$

5.

$$2 \overline{)68}$$

6.

$$7 \overline{)87}$$

7.

$$4 \overline{)57}$$

8.

$$8 \overline{)29}$$

9.

$$2 \overline{)72}$$

10.

$$4 \overline{)55}$$

11.

$$5 \overline{)99}$$

12.

$$7 \overline{)82}$$

## Adding Fractions

Find the sum.

1.  $\frac{7}{11} + \frac{2}{11} =$  \_\_\_\_\_

2.  $\frac{3}{7} + \frac{2}{7} =$  \_\_\_\_\_

3.  $\frac{2}{9} + \frac{3}{9} =$  \_\_\_\_\_

4.  $\frac{2}{7} + \frac{6}{7} =$  \_\_\_\_\_

5.  $\frac{19}{20} + \frac{19}{20} =$  \_\_\_\_\_

6.  $\frac{24}{25} + \frac{20}{25} =$  \_\_\_\_\_

7.  $\frac{1}{4} + \frac{1}{4} =$  \_\_\_\_\_

8.  $\frac{5}{100} + \frac{9}{100} =$  \_\_\_\_\_

9.  $\frac{5}{8} + \frac{7}{8} =$  \_\_\_\_\_

10.  $\frac{11}{12} + \frac{11}{12} =$  \_\_\_\_\_

11.  $\frac{2}{6} + \frac{5}{6} =$  \_\_\_\_\_

12.  $\frac{1}{2} + \frac{1}{2} =$  \_\_\_\_\_

13.  $\frac{2}{15} + \frac{3}{15} =$  \_\_\_\_\_

14.  $\frac{4}{14} + \frac{6}{14} =$  \_\_\_\_\_

15.  $\frac{11}{13} + \frac{12}{13} =$  \_\_\_\_\_

## Subtracting Fractions

Find the difference.

1.  $\frac{10}{12} - \frac{3}{12} =$  \_\_\_\_\_

2.  $\frac{3}{4} - \frac{2}{4} =$  \_\_\_\_\_

3.  $\frac{4}{6} - \frac{3}{6} =$  \_\_\_\_\_

4.  $\frac{6}{10} - \frac{5}{10} =$  \_\_\_\_\_

5.  $\frac{7}{11} - \frac{2}{11} =$  \_\_\_\_\_

6.  $\frac{10}{12} - \frac{4}{12} =$  \_\_\_\_\_

7.  $\frac{8}{9} - \frac{7}{9} =$  \_\_\_\_\_

8.  $\frac{4}{5} - \frac{3}{5} =$  \_\_\_\_\_

9.  $\frac{7}{8} - \frac{6}{8} =$  \_\_\_\_\_

10.  $\frac{2}{3} - \frac{1}{3} =$  \_\_\_\_\_

11.  $\frac{5}{7} - \frac{3}{7} =$  \_\_\_\_\_

12.  $\frac{4}{6} - \frac{1}{6} =$  \_\_\_\_\_

13.  $\frac{7}{9} - \frac{5}{9} =$  \_\_\_\_\_

14.  $\frac{8}{12} - \frac{6}{12} =$  \_\_\_\_\_

15.  $\frac{6}{11} - \frac{4}{11} =$  \_\_\_\_\_

## Convert Mixed Numbers to Improper Fractions

**Mixed Number**  
**Improper Fraction**

Step 1: Multiply the whole # and the denominator  
Ex:  $3 \times 4 = 12$

Step 2: Add the product and the numerator.  
Ex:  $12 + 2 = 14$

Step 3: Put the sum (found in step 2) over the denominator.

$$4 \frac{2}{3} = \frac{14}{3}$$

$\times$

Convert.

1.  $3 \frac{4}{10} =$  \_\_\_\_\_

2.  $3 \frac{1}{3} =$  \_\_\_\_\_

3.  $2 \frac{5}{8} =$  \_\_\_\_\_

4.  $2 \frac{2}{4} =$  \_\_\_\_\_

5.  $3 \frac{5}{6} =$  \_\_\_\_\_

6.  $2 \frac{2}{8} =$  \_\_\_\_\_

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

8.  $1 \frac{3}{6} =$  \_\_\_\_\_

9.  $1 \frac{7}{8} =$  \_\_\_\_\_

10.  $1 \frac{1}{4} =$  \_\_\_\_\_

11.  $1 \frac{1}{6} =$  \_\_\_\_\_

12.  $2 \frac{4}{5} =$  \_\_\_\_\_

13.  $2 \frac{11}{12} =$  \_\_\_\_\_

14.  $2 \frac{1}{2} =$  \_\_\_\_\_

15.  $1 \frac{1}{2} =$  \_\_\_\_\_

## Convert Improper Fractions to Mixed Numbers

Improper Fraction  
Mixed number ←

$\frac{14}{3}$

$3 \overline{)14}$   
 $\underline{-12}$   
 $2$

$\times 4 \frac{2}{3}$

Step 1: Divide the numerator and the denominator.

Step 2: Write the remainder as a fraction:  
 $\frac{\text{remainder}}{\text{divisor}}$

Convert.

1.  $\frac{10}{3} =$  \_\_\_\_\_ 2.  $\frac{7}{2} =$  \_\_\_\_\_ 3.  $\frac{7}{5} =$  \_\_\_\_\_

4.  $\frac{38}{10} =$  \_\_\_\_\_ 5.  $\frac{20}{12} =$  \_\_\_\_\_ 6.  $\frac{3}{2} =$  \_\_\_\_\_

7.  $\frac{9}{5} =$  \_\_\_\_\_ 8.  $\frac{13}{4} =$  \_\_\_\_\_ 9.  $\frac{19}{5} =$  \_\_\_\_\_

10.  $\frac{7}{4} =$  \_\_\_\_\_ 11.  $\frac{26}{12} =$  \_\_\_\_\_ 12.  $\frac{12}{8} =$  \_\_\_\_\_

13.  $\frac{17}{8} =$  \_\_\_\_\_ 14.  $\frac{16}{5} =$  \_\_\_\_\_ 15.  $\frac{9}{6} =$  \_\_\_\_\_