

6th Grade Math Fluency Packet

You must show your work when solving the problems in this packet. You can choose to do the work on the worksheet if there is enough room or do the work on a separate piece of paper and attach it to the packet. Be sure to be neat and organized so that we can follow the work for each problem and label the paper with the page number of the packet.

Divide Fractions—Skills Practice

Name: _____

Find the quotient.

Form A

1 $\frac{2}{3} \div \frac{3}{6} =$ _____

2 $\frac{1}{2} \div \frac{1}{6} =$ _____

3 $\frac{2}{2} \div \frac{5}{6} =$ _____

4 $\frac{1}{4} \div \frac{1}{6} =$ _____

5 $\frac{2}{4} \div \frac{3}{6} =$ _____

6 $\frac{7}{4} \div \frac{3}{2} =$ _____

7 $\frac{8}{5} \div \frac{4}{10} =$ _____

8 $\frac{2}{3} \div \frac{5}{6} =$ _____

9 $\frac{5}{8} \div \frac{3}{4} =$ _____

10 $\frac{5}{4} \div \frac{10}{12} =$ _____

11 $\frac{4}{6} \div \frac{3}{6} =$ _____

12 $\frac{5}{4} \div \frac{1}{8} =$ _____

13 $\frac{1}{8} \div \frac{5}{4} =$ _____

14 $\frac{3}{2} \div \frac{6}{5} =$ _____

15 $\frac{9}{4} \div \frac{3}{2} =$ _____

16 $\frac{3}{10} \div \frac{6}{5} =$ _____

17 $\frac{6}{4} \div \frac{2}{8} =$ _____

18 $\frac{4}{8} \div \frac{5}{5} =$ _____



Divide Whole Numbers—Skills Practice

Name: _____

Find the quotient.

Form A

1 $61 \overline{)793}$

2 $25 \overline{)675}$

3 $46 \overline{)506}$

4 $30 \overline{)510}$

5 $41 \overline{)328}$

6 $80 \overline{)5,680}$

7 $35 \overline{)2,170}$

8 $22 \overline{)7,040}$

9 $72 \overline{)7,488}$

10 $63 \overline{)53,865}$

11 $75 \overline{)72,525}$

12 $40 \overline{)9,240}$

13 $44 \overline{)54,164}$

14 $15 \overline{)15,810}$

15 $12 \overline{)17,472}$



Add Decimals—Skills Practice

Name: _____

Add.

Form A

1 $22.098 + 14.103 =$ _____

2 $6.07 + 12.149 =$ _____

3 $3.1 + 4.904 =$ _____

4 $8.062 + 7.189 =$ _____

5 $11.802 + 32.4 =$ _____

6 $13.765 + 6.23 =$ _____

7 $76.147 + 5.07 =$ _____

8 $63.98 + 0.031 =$ _____

9 $0.093 + 0.02 =$ _____

10 $5.2 + 0.871 =$ _____

11 $41.82 + 7.593 =$ _____

12 $2.76 + 27.959 =$ _____

13 $8.91 + 0.092 =$ _____

14 $33.99 + 24.002 =$ _____

15 $1.099 + 0.038 =$ _____

16 $2.08 + 0.671 =$ _____

17 $9.7 + 0.345 =$ _____

18 $1.999 + 52.651 =$ _____

19 $17.76 + 8 + 45.309 =$ _____

20 $68.821 + 15.34 + 1.009 =$ _____



Subtract Decimals—Skills Practice

Name: _____

Subtract.

Form A

1 $0.09 - 0.072 =$ _____

2 $82.456 - 50.03 =$ _____

3 $53.5 - 0.094 =$ _____

4 $12.091 - 0.132 =$ _____

5 $0.8 - 0.341 =$ _____

6 $54.784 - 23.8 =$ _____

7 $25.76 - 4.213 =$ _____

8 $27.261 - 18 =$ _____

9 $10.002 - 0.004 =$ _____

10 $6.365 - 0.245 =$ _____

11 $4.598 - 2.46 =$ _____

12 $36.7 - 0.062 =$ _____

13 $68 - 6.218 =$ _____

14 $18.25 - 6.342 =$ _____

15 $1.087 - 0.3 =$ _____

16 $0.076 - 0.02 =$ _____

17 $48.1 - 9.354 =$ _____

18 $56.285 - 7.293 =$ _____

19 $2.89 - 0.089 =$ _____

20 $82.138 - 6.4 =$ _____

21 $21.98 - 13.761 =$ _____

Multiply Decimals—Skills Practice

Name: _____

Multiply.

Form A

$$\begin{array}{r} \mathbf{1} \quad 2.1 \\ \times 0.76 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{2} \quad 52.4 \\ \times 4.5 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{3} \quad 4.52 \\ \times 8.9 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{4} \quad 5.8 \\ \times 7.4 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{5} \quad 0.97 \\ \times 0.23 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{6} \quad 63.52 \\ \times 4.7 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{7} \quad 2.7 \\ \times 0.25 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{8} \quad 8.35 \\ \times 0.46 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{9} \quad 0.813 \\ \times 4.6 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{10} \quad 0.83 \\ \times 5.8 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{11} \quad 12.3 \\ \times 6.5 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{12} \quad 0.78 \\ \times 42.5 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{13} \quad 912.5 \\ \times 0.85 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{14} \quad 3.6 \\ \times 8.14 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{15} \quad 0.64 \\ \times 31.8 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{16} \quad 5.6 \\ \times 21.42 \\ \hline \end{array}$$



Divide Decimals—Skills Practice

Name: _____

Divide.

Form A

1 $0.08 \overline{)3.84}$

2 $0.16 \overline{)6.08}$

3 $5.9 \overline{)2.183}$

4 $112.5 \overline{)7.2}$

5 $614.5 \overline{)3.687}$

6 $2.68 \overline{)9.648}$

7 $5.9 \overline{)10.62}$

8 $2.6 \overline{)137.8}$

9 $1.486 \overline{)66.87}$

10 $2.357 \overline{)68.353}$

11 $2.85 \overline{)267.9}$

12 $0.368 \overline{)33.856}$

13 $1.125 \overline{)240.3}$

14 $0.3 \overline{)8.37}$

15 $0.008 \overline{)2.3}$

16 $0.36 \overline{)0.621}$



Greatest Common Factors—Skills Practice

Name: _____

Find the greatest common factor.

Form A

1 24 and 20: _____

2 36 and 42: _____

3 16 and 32: _____

4 12 and 8: _____

5 80 and 70: _____

6 50 and 14: _____

7 100 and 75: _____

8 15 and 18: _____

9 14 and 21: _____

10 40 and 60: _____

11 25 and 45: _____

12 33 and 77: _____

13 36 and 81: _____

14 64 and 40: _____

15 35 and 28: _____

16 17 and 34: _____

17 15 and 28: _____

18 3 and 69: _____

19 18 and 28: _____

20 27 and 63: _____

21 20 and 45: _____

22 54 and 24: _____

23 18 and 45: _____

24 72 and 64: _____



Least Common Multiples—Skills Practice

Name: _____

Find the least common multiple.

Form A

1 4 and 7: _____

2 5 and 6: _____

3 3 and 8: _____

4 4 and 6: _____

5 6 and 9: _____

6 10 and 6: _____

7 2 and 8: _____

8 3 and 4: _____

9 5 and 7: _____

10 8 and 9: _____

11 12 and 8: _____

12 8 and 10: _____

13 9 and 7: _____

14 2 and 11: _____

15 6 and 12: _____

16 11 and 9: _____

17 9 and 4: _____

18 3 and 6: _____

19 5 and 9: _____

20 11 and 8: _____

21 10 and 5: _____

22 13 and 39: _____

23 4 and 16: _____

24 7 and 6: _____



Exponents—Skills Practice

Name: _____

Evaluate the expression.

Form A

1 $5^2 =$ _____

2 $3^2 + 7^2 =$ _____

3 $4^2 \times 3^3 =$ _____

4 $2^3(4^3 + 6^2) =$ _____

5 $7^3 =$ _____

6 $4^4(1^8 + 2^2) =$ _____

7 $4^3 + 5^4 =$ _____

8 $\frac{9^2 - 7^2}{2^4} =$ _____

9 $8^3 =$ _____

10 $3^5 + 2^7 =$ _____

11 $9^2 =$ _____

12 $2^6 - 3^3 =$ _____

13 $\frac{10^2 + 3^2}{1^3} =$ _____

14 $3^4 =$ _____

15 $\frac{6^2 - 2^5}{2^2} =$ _____

16 $5^3 - 2^3 =$ _____

17 $8^2 \times 6^2 =$ _____

18 $\frac{3^3 + 6^2}{3^2} =$ _____

19 $2^5 =$ _____

20 $\frac{10^3}{2^2 + 6^2} =$ _____

21 $6^3 =$ _____



Order of Operations—Skills Practice

Name: _____

Evaluate the expression.

Form A

1 $7 + 6 \times 2 =$ _____

2 $0.25 \times 16 + 4 =$ _____

3 $26 - 3 \times 4 =$ _____

4 $18 + 14 \times 0.5 =$ _____

5 $18 \div 2 + 7 =$ _____

6 $8 + 6 \times 3^2 =$ _____

7 $18 - 8^2 \div 4 =$ _____

8 $12 - 8 \times 0.25 =$ _____

9 $9 + 25 \div 5^2 =$ _____

10 $6^2 \div 9 + 3 =$ _____

11 $48 \div 0.5 + 2 =$ _____

12 $42 + 0.2 \times 30 =$ _____

13 $36 \div 3 \times 4 =$ _____

14 $131 - 4 \times 2^3 =$ _____

15 $56 - 0.3 \times 40 =$ _____

16 $32 - 8 + 11 =$ _____

17 $96 \div 2^4 + 32 =$ _____

18 $35 - 0.5 \times 56 =$ _____

19 $10^2 \div 5 \times 4 =$ _____

20 $3^3 + 18 \div 3 =$ _____



Evaluate Expressions with Variables— Skills Practice

Name: _____

Evaluate the expression.

Form A

1 $s = 7; 6s^2 =$ _____

2 $x = 3; 4x^3 + 2 =$ _____

3 $n = \frac{1}{8}; \frac{2}{n} =$ _____

4 $x = \frac{1}{6}; 18x + 4 =$ _____

5 $x = 7; \frac{4x + 8}{2} =$ _____

6 $p = 0.5; 42 - 42p =$ _____

7 $x = 0.25; 48x - 3 =$ _____

8 $a = 3; a^3 =$ _____

9 $y = 84; \frac{y}{4} - 15 =$ _____

10 $c = 35; \frac{9c}{5} + 32 =$ _____

11 $n = 0.5; \frac{8}{n} + 8 =$ _____

12 $x = 3; 169 - 2x^4 =$ _____

13 $a = 3; 12a^2 =$ _____

14 $w = \frac{1}{5}; 38 - 15w =$ _____

15 $x = 9; 8x + 3 =$ _____

16 $m = 2; \frac{16}{2m} =$ _____

17 $x = 7; x^2 - 5^2 =$ _____

18 $p = 25; \frac{p}{100} (120) =$ _____

Solving Equations—Skills Practice

Name: _____

Solve the equation.

Form A

1 $x + 24 = 36; x =$ _____

2 $5 = 6y; y =$ _____

3 $\frac{5}{3} + x = 2; x =$ _____

4 $7w = 28; w =$ _____

5 $\frac{9}{5} = 1 + m; m =$ _____

6 $0.5x = 14; x =$ _____

7 $\frac{7}{2} = 4x; x =$ _____

8 $215 + p = 230; p =$ _____

9 $\frac{5}{6}x = 20; x =$ _____

10 $x + 32 = 45; x =$ _____

11 $c + \frac{2}{5} = 2; c =$ _____

12 $0.2 + x = 3; x =$ _____

13 $9 = 4y; y =$ _____

14 $x + 0.8 = 4.3; x =$ _____

15 $56 + n = 97; n =$ _____

16 $39 = 17 + x; x =$ _____

17 $0.6 + w = 4; w =$ _____

18 $9y = 189; y =$ _____

