

Multi-Digit Addition—Skills Practice

Name: _____

Add within 10,000.

Form A

$$\begin{array}{r} 1 \quad 2,145 \\ + 653 \\ \hline 2,798 \end{array}$$

$$\begin{array}{r} 2 \quad 5,260 \\ + 417 \\ \hline 5,677 \end{array}$$

$$\begin{array}{r} 3 \quad 1,083 \\ + 2,513 \\ \hline 3,596 \end{array}$$

$$\begin{array}{r} 4 \quad 2,864 \\ + 7,135 \\ \hline 9,999 \end{array}$$

$$\begin{array}{r} 5 \quad 1,248 \\ + 532 \\ \hline 1,780 \end{array}$$

Multi-Digit Addition—Skills Practice

Name: _____

Add within 100,000.

Form A

- | | | | |
|--|--|---|---|
| 1 $\begin{array}{r} 10,352 \\ + 1,430 \\ \hline 11,782 \end{array}$ | 2 $\begin{array}{r} 16,164 \\ + 1,325 \\ \hline 17,489 \end{array}$ | 3 $\begin{array}{r} 20,753 \\ + 10,104 \\ \hline 30,857 \end{array}$ | 4 $\begin{array}{r} 50,618 \\ + 24,350 \\ \hline 74,968 \end{array}$ |
| 5 $\begin{array}{r} 15,200 \\ + 999 \\ \hline 16,199 \end{array}$ | 6 $\begin{array}{r} 32,145 \\ + 4,625 \\ \hline 36,770 \end{array}$ | 7 $\begin{array}{r} 64,102$ | |

Multi-Digit Addition—Repeated Reasoning

Name: _____

Find place value patterns in the tens.

Set A

- 1 $201 + 109 = \underline{310}$ 2 $1,201 + 109 = \underline{1,310}$ 3 $2,201 + 109 = \underline{2,310}$
 4 $202 + 109 = \underline{311}$ 5 $1,202 + 109 = \underline{1,311}$ 6 $2,202 + 109 = \underline{2,311}$
 7 $203 + 109 = \underline{312}$ 8 $1,203 + 109 = \underline{1,312}$ 9 $2,203 + 109 = \underline{2,312}$
 10 $204 + 109 = \underline{313}$ 11 $1,204 + 109 = \underline{1,313}$ 12 $2,204 + 109 = \underline{2,313}$

Set B

Multi-Digit Subtraction—Skills Practice

Name: _____

Subtract within 10,000.

Form A

- | | | | |
|--|--|--|--|
| 1 $\begin{array}{r} 4,865 \\ - 2,341 \\ \hline 2,524 \end{array}$ | 2 $\begin{array}{r} 1,788 \\ - 1,263 \\ \hline 525 \end{array}$ | 3 $\begin{array}{r} 2,592 \\ - 1,271 \\ \hline 1,321 \end{array}$ | 4 $\begin{array}{r} 7,342 \\ - 4,132 \\ \hline 3,210 \end{array}$ |
| 5 $\begin{array}{r} 8,790 \\ - 6,688 \\ \hline 2,102 \end{array}$ | 6 $\begin{array}{r} 3,743 \\ - 626 \\ \hline 3,117 \end{array}$ | 7 $\begin{array}{r} 9,487 \\ - 1,394 \\ \hline 8,093 \end{array}$ | |

Multi-Digit Subtraction—Skills Practice

Name: _____

Subtract within 100,000.

Form A

$$\begin{array}{r} 1 \quad 47,863 \\ - \quad 251 \\ \hline 47,612 \end{array}$$

$$\begin{array}{r} 2 \quad 19,038 \\ - 11,018 \\ \hline 8,020 \end{array}$$

$$\begin{array}{r} 3 \quad 28,682 \\ - \quad 3,270 \\ \hline 25,412 \end{array}$$

$$\begin{array}{r} 4 \quad 76,429 \\ - 20,306 \\ \hline 56,123 \end{array}$$

$$\begin{array}{r} 5 \quad 81,235 \\ - 20,017 \\ \hline 6$$

Multi-Digit Subtraction— Repeated Reasoning

Name: _____

Find patterns in subtracting small numbers.

Set A

- | | |
|-------------------------------|--------------------------------|
| 1 $897 - 1 = \underline{896}$ | 2 $897 - 2 = \underline{895}$ |
| 3 $898 - 1 = \underline{897}$ | 4 $898 - 2 = \underline{896}$ |
| 5 $899 - 1 = \underline{898}$ | 6 $899 - 2 = \underline{897}$ |
| 7 $900 - 1 = \underline{899}$ | 8 $900 - 2 = \underline{898}$ |
| 9 $901 - 1 = \underline{900}$ | 10 $901 - 2 = \underline{899}$ |

Set B

Fraction Addition—Skills Practice

Name: _____

Add fractions.

Form A

1 $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$ or $\frac{1}{2}$

2 $\frac{1}{6} + \frac{1}{6} = \frac{2}{6}$ or $\frac{1}{3}$

3 $\frac{1}{3} + \frac{2}{3} = \frac{3}{3}$ or 1

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

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

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

7 $\frac{$

Fraction Addition—Skills Practice

Name: _____

Add mixed numbers.

Form A

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

4 $2\frac{5}{12} + 3\frac{1}{12} = 5\frac{6}{12}$ or $5\frac{1}{2}$ 5 $3\frac{2}{4} + 2\frac{1}{4} = 5\frac{3}{4}$ 6 $\frac{5}{6} + 4\frac{1}{6} = 5$

7 $3\frac{20}{100} + 4\frac{5}{100} = 7\frac{25}{100}$ or $7\frac{1}{4}$ 8 $9\frac{2}{10} + 3\frac{7}{10} = 12\frac$

Fraction Addition— Repeated Reasoning

Name: _____

Find patterns in adding fractions.

Set A

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

2 $2\frac{1}{2} + \frac{1}{2} =$ 3

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

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

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

6 $3\frac{1}{2} + 1\frac{1}{2} =$ 5

Fraction Subtraction—Skills Practice

Name: _____

Subtract fractions.

Form B

- 1 $\frac{3}{3} - \frac{1}{3} = \underline{\frac{2}{3}}$
- 2 $\frac{5}{5} - \frac{2}{5} = \underline{\frac{3}{5}}$
- 3 $\frac{1}{2} - \frac{1}{2} = \underline{0}$
- 4 $\frac{6}{10} - \frac{2}{10} = \underline{\frac{4}{10} \text{ or } \frac{2}{5}}$
- 5 $\frac{11}{12} - \frac{5}{12} = \underline{\frac{6}{12} \text{ or } \frac{1}{2}}$
- 6 $\frac{5}{4} - \frac{1}{4} = \underline{\frac{4}{4} \text{ or } 1}$
- 7 $\frac{7}{6} - \frac{3}{6} = \underline{\frac{4}{6} \text{ or } \frac{2}{3}}$
- 8 $\frac{12}{100} - \frac{8}{100} = \underline{\frac{4}{100} \text{ or } \frac{1}{25}}$
- 9 $\frac{60}{100} - \frac{30}{100} = \underline{\frac{30}{100} \$

Fraction Subtraction—Skills Practice

Name: _____

Subtract mixed numbers.

Form B

- 1 $3\frac{2}{5} - \frac{1}{5} = 3\frac{1}{5}$ 2 $6\frac{3}{4} - 1\frac{1}{4} = 5\frac{2}{4}$ or $5\frac{1}{2}$ 3 $7\frac{1}{2} - \frac{1}{2} = 7$
- 4 $4\frac{6}{10} - 1\frac{2}{10} = 3\frac{4}{10}$ or $3\frac{2}{5}$ 5 $5\frac{2}{3} - 2\frac{1}{3} = 3\frac{1}{3}$ 6 $4\frac{5}{6} - 3\frac{1}{6} = 1\frac{4}{6}$ or $1\frac{2}{3}$
- 7 $9\frac{20}{100} - 5\frac{2}{100} = 4\frac{18}{100}$ or $4\frac{9}{50}$ 8 $8\frac{7}{10} - 3\frac{1}{10} = 5\frac{6}{10}$ or $5\frac{3}{5}$ 9 $10\frac$

Multi-Digit Multiplication—Skills Practice

Name: _____

Multiply a 2-digit number by a 1-digit number.

Form A

- | | | | | |
|--|---|---|---|--|
| 1 $\begin{array}{r} 12 \\ \times 2 \\ \hline 24 \end{array}$ | 2 $\begin{array}{r} 10 \\ \times 3 \\ \hline 30 \end{array}$ | 3 $\begin{array}{r} 21 \\ \times 4 \\ \hline 84 \end{array}$ | 4 $\begin{array}{r} 23 \\ \times 1 \\ \hline 23 \end{array}$ | 5 $\begin{array}{r} 33 \\ \times 2 \\ \hline 66 \end{array}$ |
| 6 $\begin{array}{r} 11 \\ \times 8 \\ \hline 88 \end{array}$ | 7 $\begin{array}{r} 35 \\ \times 4 \\ \hline 140 \end{array}$ | 8 $\begin{array}{r} 46 \\ \times 5 \\ \hline 230 \end{array}$ | 9 $\begin{array}{r} 51 \\ \times 3 \\ \hline 153 \end{array}$ | 10 $\begin{array}{r} 70 \\ \times 5 \\ \hline 350 \$ |

Multi-Digit Multiplication—Skills Practice

Name: _____

Multiply 2-digit numbers.

Form A

$$\begin{array}{r} 1 \quad 21 \\ \times 35 \\ \hline 735 \end{array}$$

$$\begin{array}{r} 2 \quad 18 \\ \times 16 \\ \hline 288 \end{array}$$

$$\begin{array}{r} 3 \quad 24 \\ \times 12 \\ \hline 288 \end{array}$$

$$\begin{array}{r} 4 \quad 32 \\ \times 15 \\ \hline 480 \end{array}$$

$$\begin{array}{r} 5 \quad 12 \\ \times 37 \\ \hline 444 \end{array}$$

$$\begin{array}{r}$$

Multi-Digit Multiplication—Skills Practice

Name: _____

Multiply a 3-digit number by a 1-digit number.

Form A

- | | | | |
|---|---|---|---|
| 1 $\begin{array}{r} 513 \\ \times 2 \\ \hline 1,026 \end{array}$ | 2 $\begin{array}{r} 120 \\ \times 3 \\ \hline 360 \end{array}$ | 3 $\begin{array}{r} 612 \\ \times 4 \\ \hline 2,448 \end{array}$ | 4 $\begin{array}{r} 711 \\ \times 5 \\ \hline 3,555 \end{array}$ |
| 5 $\begin{array}{r} 460 \\ \times 3 \\ \hline 1,380 \end{array}$ | 6 $\begin{array}{r} 325 \\ \times 7 \\ \hline 2,275 \end{array}$ | 7 $\begin{array}{r} 940 \\ \times 5 \\ \hline 4,700 \end{array}$ | 8 $\begin{array}{r} 518 \\ \times 3 \\ \hline 1,554 \end{array}$ |
| | | | |

Multi-Digit Multiplication—Skills Practice

Name: _____

Multiply a 4-digit number by a 1-digit number.

Form A

$$\begin{array}{r} 1 \quad 5,213 \\ \times 2 \\ \hline 10,426 \end{array}$$

$$\begin{array}{r} 2 \quad 6,120 \\ \times 4 \\ \hline 24,480 \end{array}$$

$$\begin{array}{r} 3 \quad 5,332 \\ \times 3 \\ \hline 15,996 \end{array}$$

$$\begin{array}{r} 4 \quad 5,201 \\ \times 4 \\ \hline 20,804 \end{array}$$

$$\begin{array}{r} 5 \quad 4,360 \\ \times 5 \\ \hline 21,800 \end{array}$$

Multi-Digit Multiplication— Repeated Reasoning

Name: _____

Find place value patterns.

Set A

- | | | |
|-----------------------------------|-------------------------------------|---|
| 1 $6 \times 11 = \underline{66}$ | 2 $6 \times 101 = \underline{606}$ | 3 $6 \times 1,001 = \underline{6,006}$ |
| 4 $7 \times 11 = \underline{77}$ | 5 $7 \times 101 = \underline{707}$ | 6 $7 \times 1,001 = \underline{7,007}$ |
| 7 $8 \times 11 = \underline{88}$ | 8 $8 \times 101 = \underline{808}$ | 9 $8 \times 1,001 = \underline{8,008}$ |
| 10 $9 \times 11 = \underline{99}$ | 11 $9 \times 101 = \underline{909}$ | 12 $9 \times 1,001 = \underline{9,009}$ |

Multi-Digit Multiplication—
Repeated Reasoning

Name: _____

Find patterns multiplying by near-hundreds.

Set A

$$\begin{array}{r} 1 \quad 101 \\ \times 2 \\ \hline 202 \end{array}$$

$$\begin{array}{r} 2 \quad 102 \\ \times 2 \\ \hline 204 \end{array}$$

$$\begin{array}{r} 3 \quad 103 \\ \times 2 \\ \hline 206 \end{array}$$

$$\begin{array}{r} 4 \quad 101 \\ \times 3 \\ \hline 303 \end{array}$$

$$\begin{array}{r} 5 \quad 102 \\ \times 3 \\ \hline 306 \end{array}$$

Multi-Digit Division—Skills Practice

Name: _____

Divide 2-digit dividends.

Form B

1 $\overline{2)54}$

2 $\overline{3)50}$ **16 R2**

3 $\overline{4)34}$ **8 R2**

4 $\overline{5)55}$ **11**

5 $\overline{6)77}$ **12 R5**

6 $\overline{7)91}$ **13**

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Multi-Digit Division—Skills Practice

Name: _____

Divide 3-digit dividends.

Form B

1 $\overline{3)741}$

2 $\overline{4)508}$

3 $\overline{5)354}$ 70 R4

4 $\overline{2)705}$ 352 R1

5 $\overline{7)936}$ 133 R5

6 $\overline{6)648}$ 108

7 $\overline{5)820}$ 164

8 $\overline{7)14$

Multi-Digit Division—Skills Practice

Name: _____

Divide 4-digit dividends.

Form B

1 $\begin{array}{r} 1,464 \\ 3 \overline{)4,392} \end{array}$

2 $\begin{array}{r} 873 \\ 4 \overline{)3,492} \end{array}$

3 $\begin{array}{r} 841 \text{ R1} \\ 5 \overline{)4,206} \end{array}$

4 $\begin{array}{r} 4,785 \\ 2 \overline{)9,570} \end{array}$

5 $\begin{array}{r} 422 \text{ R4} \\ 7 \overline{)2,958} \end{array}$