

4-Digit Addition

Name: _____

Date: _____

Line up the place values and add from right to left.

1.

$$\begin{array}{r} 4509 \\ + 1822 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 2704 \\ + 4017 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 2637 \\ + 2578 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 4233 \\ + 4117 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 2866 \\ + 1937 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 4691 \\ + 3734 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 1337 \\ + 1334 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 1515 \\ + 2174 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 1000 \\ + 1096 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 1877 \\ + 1512 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 3320 \\ + 1692 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 3964 \\ + 1095 \\ \hline \end{array}$$

4-Digit Addition

Answer Key

Line up the place values and add from right to left.

1.

$$\begin{array}{r} 4509 \\ + 1822 \\ \hline 6331 \end{array}$$

2.

$$\begin{array}{r} 2704 \\ + 4017 \\ \hline 6721 \end{array}$$

3.

$$\begin{array}{r} 2637 \\ + 2578 \\ \hline 5215 \end{array}$$

4.

$$\begin{array}{r} 4233 \\ + 4117 \\ \hline 8350 \end{array}$$

5.

$$\begin{array}{r} 2866 \\ + 1937 \\ \hline 4803 \end{array}$$

6.

$$\begin{array}{r} 4691 \\ + 3734 \\ \hline 8425 \end{array}$$

7.

$$\begin{array}{r} 1337 \\ + 1334 \\ \hline 2671 \end{array}$$

8.

$$\begin{array}{r} 1515 \\ + 2174 \\ \hline 3689 \end{array}$$

9.

$$\begin{array}{r} 1000 \\ + 1096 \\ \hline 2096 \end{array}$$

10.

$$\begin{array}{r} 1877 \\ + 1512 \\ \hline 3389 \end{array}$$

11.

$$\begin{array}{r} 3320 \\ + 1692 \\ \hline 5012 \end{array}$$

12.

$$\begin{array}{r} 3964 \\ + 1095 \\ \hline 5059 \end{array}$$

4-Digit Subtraction

Name: _____

Date: _____

Line up the place values and subtract from right to left.

1.

$$\begin{array}{r} 7608 \\ - 3091 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 6420 \\ - 3123 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 5948 \\ - 3381 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 7496 \\ - 5692 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 3776 \\ - 1541 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 7363 \\ - 6079 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 5568 \\ - 2073 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 6419 \\ - 6251 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 7861 \\ - 1979 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 5618 \\ - 4825 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 5195 \\ - 2238 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 6040 \\ - 5887 \\ \hline \end{array}$$

4-Digit Subtraction

Answer Key

Line up the place values and subtract from right to left.

1.

$$\begin{array}{r} 7608 \\ - 3091 \\ \hline 4517 \end{array}$$

2.

$$\begin{array}{r} 6420 \\ - 3123 \\ \hline 3297 \end{array}$$

3.

$$\begin{array}{r} 5948 \\ - 3381 \\ \hline 2567 \end{array}$$

4.

$$\begin{array}{r} 7496 \\ - 5692 \\ \hline 1804 \end{array}$$

5.

$$\begin{array}{r} 3776 \\ - 1541 \\ \hline 2235 \end{array}$$

6.

$$\begin{array}{r} 7363 \\ - 6079 \\ \hline 1284 \end{array}$$

7.

$$\begin{array}{r} 5568 \\ - 2073 \\ \hline 3495 \end{array}$$

8.

$$\begin{array}{r} 6419 \\ - 6251 \\ \hline 168 \end{array}$$

9.

$$\begin{array}{r} 7861 \\ - 1979 \\ \hline 5882 \end{array}$$

10.

$$\begin{array}{r} 5618 \\ - 4825 \\ \hline 793 \end{array}$$

11.

$$\begin{array}{r} 5195 \\ - 2238 \\ \hline 2957 \end{array}$$

12.

$$\begin{array}{r} 6040 \\ - 5887 \\ \hline 153 \end{array}$$

2-Digit by 1-Digit Multiplication

Name: _____

Date: _____

Multiply the ones, then the tens. Remember to regroup.

1.

$$\begin{array}{r} 23 \\ \times 7 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 28 \\ \times 5 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 37 \\ \times 2 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 23 \\ \times 3 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 67 \\ \times 4 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 61 \\ \times 4 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 33 \\ \times 9 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 86 \\ \times 7 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 57 \\ \times 2 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 32 \\ \times 5 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 69 \\ \times 8 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 73 \\ \times 7 \\ \hline \end{array}$$

13.

$$\begin{array}{r} 50 \\ \times 4 \\ \hline \end{array}$$

14.

$$\begin{array}{r} 95 \\ \times 6 \\ \hline \end{array}$$

15.

$$\begin{array}{r} 84 \\ \times 9 \\ \hline \end{array}$$

2-Digit by 1-Digit Multiplication

Answer Key

Multiply the ones, then the tens. Remember to regroup.

1.

$$\begin{array}{r} 23 \\ \times 7 \\ \hline 161 \end{array}$$

2.

$$\begin{array}{r} 28 \\ \times 5 \\ \hline 140 \end{array}$$

3.

$$\begin{array}{r} 37 \\ \times 2 \\ \hline 74 \end{array}$$

4.

$$\begin{array}{r} 23 \\ \times 3 \\ \hline 69 \end{array}$$

5.

$$\begin{array}{r} 67 \\ \times 4 \\ \hline 268 \end{array}$$

6.

$$\begin{array}{r} 61 \\ \times 4 \\ \hline 244 \end{array}$$

7.

$$\begin{array}{r} 33 \\ \times 9 \\ \hline 297 \end{array}$$

8.

$$\begin{array}{r} 86 \\ \times 7 \\ \hline 602 \end{array}$$

9.

$$\begin{array}{r} 57 \\ \times 2 \\ \hline 114 \end{array}$$

10.

$$\begin{array}{r} 32 \\ \times 5 \\ \hline 160 \end{array}$$

11.

$$\begin{array}{r} 69 \\ \times 8 \\ \hline 552 \end{array}$$

12.

$$\begin{array}{r} 73 \\ \times 7 \\ \hline 511 \end{array}$$

13.

$$\begin{array}{r} 50 \\ \times 4 \\ \hline 200 \end{array}$$

14.

$$\begin{array}{r} 95 \\ \times 6 \\ \hline 570 \end{array}$$

15.

$$\begin{array}{r} 84 \\ \times 9 \\ \hline 756 \end{array}$$

3-Digit by 1-Digit Multiplication

Name: _____ Date: _____

Multiply each digit by the bottom number, starting with the ones.

1.

$$\begin{array}{r} 560 \\ \times 6 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 790 \\ \times 5 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 189 \\ \times 3 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 695 \\ \times 9 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 872 \\ \times 5 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 635 \\ \times 4 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 903 \\ \times 2 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 149 \\ \times 7 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 257 \\ \times 3 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 692 \\ \times 8 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 381 \\ \times 6 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 278 \\ \times 3 \\ \hline \end{array}$$

3-Digit by 1-Digit Multiplication

Answer Key

Multiply each digit by the bottom number, starting with the ones.

1.

$$\begin{array}{r} 560 \\ \times \quad 6 \\ \hline 3360 \end{array}$$

2.

$$\begin{array}{r} 790 \\ \times \quad 5 \\ \hline 3950 \end{array}$$

3.

$$\begin{array}{r} 189 \\ \times \quad 3 \\ \hline 567 \end{array}$$

4.

$$\begin{array}{r} 695 \\ \times \quad 9 \\ \hline 6255 \end{array}$$

5.

$$\begin{array}{r} 872 \\ \times \quad 5 \\ \hline 4360 \end{array}$$

6.

$$\begin{array}{r} 635 \\ \times \quad 4 \\ \hline 2540 \end{array}$$

7.

$$\begin{array}{r} 903 \\ \times \quad 2 \\ \hline 1806 \end{array}$$

8.

$$\begin{array}{r} 149 \\ \times \quad 7 \\ \hline 1043 \end{array}$$

9.

$$\begin{array}{r} 257 \\ \times \quad 3 \\ \hline 771 \end{array}$$

10.

$$\begin{array}{r} 692 \\ \times \quad 8 \\ \hline 5536 \end{array}$$

11.

$$\begin{array}{r} 381 \\ \times \quad 6 \\ \hline 2286 \end{array}$$

12.

$$\begin{array}{r} 278 \\ \times \quad 3 \\ \hline 834 \end{array}$$

2-Digit by 2-Digit Multiplication

Name: _____

Date: _____

Use the standard method: multiply by the ones, then by the tens, then add the two rows.

1.

$$\begin{array}{r} 20 \\ \times 25 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 87 \\ \times 99 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 99 \\ \times 82 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 17 \\ \times 34 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 69 \\ \times 67 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 61 \\ \times 29 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 81 \\ \times 93 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 93 \\ \times 68 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 45 \\ \times 44 \\ \hline \end{array}$$

2-Digit by 2-Digit Multiplication

Answer Key

Use the standard method: multiply by the ones, then by the tens, then add the two rows.

1.

$$\begin{array}{r} 20 \\ \times 25 \\ \hline 500 \end{array}$$

2.

$$\begin{array}{r} 87 \\ \times 99 \\ \hline 8613 \end{array}$$

3.

$$\begin{array}{r} 99 \\ \times 82 \\ \hline 8118 \end{array}$$

4.

$$\begin{array}{r} 17 \\ \times 34 \\ \hline 578 \end{array}$$

5.

$$\begin{array}{r} 69 \\ \times 67 \\ \hline 4623 \end{array}$$

6.

$$\begin{array}{r} 61 \\ \times 29 \\ \hline 1769 \end{array}$$

7.

$$\begin{array}{r} 81 \\ \times 93 \\ \hline 7533 \end{array}$$

8.

$$\begin{array}{r} 93 \\ \times 68 \\ \hline 6324 \end{array}$$

9.

$$\begin{array}{r} 45 \\ \times 44 \\ \hline 1980 \end{array}$$

Multi-Digit Multiplication Word Problems

Name: _____ Date: _____

Read each story and multiply. Show your work.

1. Leo saves \$17 every week. How much money will Leo save in 5 weeks?

Answer: _____

2. One ticket to the fair costs \$33. How much do 9 tickets cost?

Answer: _____

3. There are 4 boxes with 44 crayons in each box. How many crayons are there in all?

Answer: _____

4. A garden has 7 flower beds with 33 plants in each bed. How many plants are in the garden?

Answer: _____

5. There are 6 teams in a league and each team has 44 players. How many players are there?

Answer: _____

6. Priya plants 5 rows of tulips with 29 tulips in each row. How many tulips did Priya plant?

Answer: _____

Multi-Digit Multiplication Word Problems

Answer Key

Read each story and multiply. Show your work.

1. Leo saves \$17 every week. How much money will Leo save in 5 weeks?

Answer: 85

2. One ticket to the fair costs \$33. How much do 9 tickets cost?

Answer: 297

3. There are 4 boxes with 44 crayons in each box. How many crayons are there in all?

Answer: 176

4. A garden has 7 flower beds with 33 plants in each bed. How many plants are in the garden?

Answer: 231

5. There are 6 teams in a league and each team has 44 players. How many players are there?

Answer: 264

6. Priya plants 5 rows of tulips with 29 tulips in each row. How many tulips did Priya plant?

Answer: 145

Comparing Fractions With Unlike Denominators

Name: _____

Date: _____

Find a common denominator, then write $<$, $>$ or $=$.

1. $\frac{9}{12} \bigcirc \frac{4}{8}$

2. $\frac{2}{3} \bigcirc \frac{8}{10}$

3. $\frac{2}{8} \bigcirc \frac{1}{6}$

4. $\frac{5}{12} \bigcirc \frac{1}{2}$

5. $\frac{1}{12} \bigcirc \frac{1}{2}$

6. $\frac{1}{12} \bigcirc \frac{1}{3}$

7. $\frac{6}{8} \bigcirc \frac{2}{4}$

8. $\frac{1}{5} \bigcirc \frac{6}{10}$

9. $\frac{5}{8} \bigcirc \frac{1}{2}$

10. $\frac{3}{4} \bigcirc \frac{7}{8}$

11. $\frac{1}{2} \bigcirc \frac{1}{3}$

12. $\frac{1}{2} \bigcirc \frac{5}{6}$

13. $\frac{1}{5} \bigcirc \frac{6}{12}$

14. $\frac{8}{10} \bigcirc \frac{1}{3}$

15. $\frac{2}{4} \bigcirc \frac{1}{3}$

16. $\frac{1}{4} \bigcirc \frac{3}{10}$

Comparing Fractions With Unlike Denominators

Answer Key

Find a common denominator, then write $<$, $>$ or $=$.

1. $\frac{9}{12} \bigcirc \frac{4}{8}$

2. $\frac{2}{3} \bigcirc \frac{8}{10}$

3. $\frac{2}{8} \bigcirc \frac{1}{6}$

4. $\frac{5}{12} \bigcirc \frac{1}{2}$

5. $\frac{1}{12} \bigcirc \frac{1}{2}$

6. $\frac{1}{12} \bigcirc \frac{1}{3}$

7. $\frac{6}{8} \bigcirc \frac{2}{4}$

8. $\frac{1}{5} \bigcirc \frac{6}{10}$

9. $\frac{5}{8} \bigcirc \frac{1}{2}$

10. $\frac{3}{4} \bigcirc \frac{7}{8}$

11. $\frac{1}{2} \bigcirc \frac{1}{3}$

12. $\frac{1}{2} \bigcirc \frac{5}{6}$

13. $\frac{1}{5} \bigcirc \frac{6}{12}$

14. $\frac{8}{10} \bigcirc \frac{1}{3}$

15. $\frac{2}{4} \bigcirc \frac{1}{3}$

16. $\frac{1}{4} \bigcirc \frac{3}{10}$

Equivalent Fractions Worksheet

Name: _____ Date: _____

Fill in the box to make the fractions equal. Multiply the top and bottom by the same number.

1. $\frac{1}{2} = \frac{4}{\boxed{}}$

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

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

4. $\frac{1}{2} = \frac{2}{\boxed{}}$

5. $\frac{1}{3} = \frac{5}{\boxed{}}$

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

7. $\frac{1}{6} = \frac{5}{\boxed{}}$

8. $\frac{2}{5} = \frac{\boxed{}}{20}$

9. $\frac{1}{4} = \frac{\boxed{}}{20}$

10. $\frac{1}{3} = \frac{\boxed{}}{9}$

11. $\frac{2}{5} = \frac{\boxed{}}{10}$

12. $\frac{2}{6} = \frac{\boxed{}}{24}$

13. $\frac{1}{2} = \frac{5}{\boxed{}}$

14. $\frac{1}{6} = \frac{\boxed{}}{12}$

15. $\frac{1}{6} = \frac{\boxed{}}{30}$

16. $\frac{4}{5} = \frac{\boxed{}}{10}$

Equivalent Fractions Worksheet

Answer Key

Fill in the box to make the fractions equal. Multiply the top and bottom by the same number.

1. $\frac{1}{2} = \frac{4}{\boxed{8}}$

2. $\frac{1}{2} = \frac{3}{\boxed{6}}$

3. $\frac{2}{5} = \frac{8}{\boxed{20}}$

4. $\frac{1}{2} = \frac{2}{\boxed{4}}$

5. $\frac{1}{3} = \frac{5}{\boxed{15}}$

6. $\frac{3}{5} = \frac{6}{\boxed{10}}$

7. $\frac{1}{6} = \frac{5}{\boxed{30}}$

8. $\frac{2}{5} = \frac{\boxed{8}}{20}$

9. $\frac{1}{4} = \frac{\boxed{5}}{20}$

10. $\frac{1}{3} = \frac{\boxed{3}}{9}$

11. $\frac{2}{5} = \frac{\boxed{4}}{10}$

12. $\frac{2}{6} = \frac{\boxed{8}}{24}$

13. $\frac{1}{2} = \frac{5}{\boxed{10}}$

14. $\frac{1}{6} = \frac{\boxed{2}}{12}$

15. $\frac{1}{6} = \frac{\boxed{5}}{30}$

16. $\frac{4}{5} = \frac{\boxed{8}}{10}$

Adding Fractions With Like Denominators

Name: _____

Date: _____

Add the numerators and keep the denominator.

1. $\frac{1}{5} + \frac{3}{5} = \frac{\boxed{}}{\boxed{}}$

2. $\frac{1}{6} + \frac{1}{6} = \frac{\boxed{}}{\boxed{}}$

3. $\frac{5}{8} + \frac{3}{8} = \frac{\boxed{}}{\boxed{}}$

4. $\frac{3}{10} + \frac{2}{10} = \frac{\boxed{}}{\boxed{}}$

5. $\frac{1}{3} + \frac{2}{3} = \frac{\boxed{}}{\boxed{}}$

6. $\frac{4}{6} + \frac{2}{6} = \frac{\boxed{}}{\boxed{}}$

7. $\frac{1}{10} + \frac{7}{10} = \frac{\boxed{}}{\boxed{}}$

8. $\frac{1}{4} + \frac{1}{4} = \frac{\boxed{}}{\boxed{}}$

9. $\frac{4}{8} + \frac{4}{8} = \frac{\boxed{}}{\boxed{}}$

10. $\frac{1}{5} + \frac{4}{5} = \frac{\boxed{}}{\boxed{}}$

11. $\frac{2}{5} + \frac{1}{5} = \frac{\boxed{}}{\boxed{}}$

12. $\frac{5}{10} + \frac{3}{10} = \frac{\boxed{}}{\boxed{}}$

Adding Fractions With Like Denominators

Answer Key

Add the numerators and keep the denominator.

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

2. $\frac{1}{6} + \frac{1}{6} = \frac{\boxed{2}}{\boxed{6}}$

3. $\frac{5}{8} + \frac{3}{8} = \frac{\boxed{8}}{\boxed{8}}$

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

5. $\frac{1}{3} + \frac{2}{3} = \frac{\boxed{3}}{\boxed{3}}$

6. $\frac{4}{6} + \frac{2}{6} = \frac{\boxed{6}}{\boxed{6}}$

7. $\frac{1}{10} + \frac{7}{10} = \frac{\boxed{8}}{\boxed{10}}$

8. $\frac{1}{4} + \frac{1}{4} = \frac{\boxed{2}}{\boxed{4}}$

9. $\frac{4}{8} + \frac{4}{8} = \frac{\boxed{8}}{\boxed{8}}$

10. $\frac{1}{5} + \frac{4}{5} = \frac{\boxed{5}}{\boxed{5}}$

11. $\frac{2}{5} + \frac{1}{5} = \frac{\boxed{3}}{\boxed{5}}$

12. $\frac{5}{10} + \frac{3}{10} = \frac{\boxed{8}}{\boxed{10}}$

Subtracting Fractions With Like Denominators

Name: _____

Date: _____

Subtract the numerators and keep the denominator.

1. $\frac{2}{5} - \frac{1}{5} = \frac{\boxed{}}{\boxed{}}$

2. $\frac{2}{12} - \frac{1}{12} = \frac{\boxed{}}{\boxed{}}$

3. $\frac{9}{10} - \frac{7}{10} = \frac{\boxed{}}{\boxed{}}$

4. $\frac{11}{12} - \frac{6}{12} = \frac{\boxed{}}{\boxed{}}$

5. $\frac{3}{8} - \frac{1}{8} = \frac{\boxed{}}{\boxed{}}$

6. $\frac{7}{8} - \frac{1}{8} = \frac{\boxed{}}{\boxed{}}$

7. $\frac{5}{6} - \frac{3}{6} = \frac{\boxed{}}{\boxed{}}$

8. $\frac{7}{12} - \frac{5}{12} = \frac{\boxed{}}{\boxed{}}$

9. $\frac{5}{6} - \frac{4}{6} = \frac{\boxed{}}{\boxed{}}$

10. $\frac{8}{12} - \frac{5}{12} = \frac{\boxed{}}{\boxed{}}$

11. $\frac{2}{4} - \frac{1}{4} = \frac{\boxed{}}{\boxed{}}$

12. $\frac{3}{5} - \frac{1}{5} = \frac{\boxed{}}{\boxed{}}$

Subtracting Fractions With Like Denominators

Answer Key

Subtract the numerators and keep the denominator.

1. $\frac{2}{5} - \frac{1}{5} = \frac{\boxed{1}}{\boxed{5}}$

2. $\frac{2}{12} - \frac{1}{12} = \frac{\boxed{1}}{\boxed{12}}$

3. $\frac{9}{10} - \frac{7}{10} = \frac{\boxed{2}}{\boxed{10}}$

4. $\frac{11}{12} - \frac{6}{12} = \frac{\boxed{5}}{\boxed{12}}$

5. $\frac{3}{8} - \frac{1}{8} = \frac{\boxed{2}}{\boxed{8}}$

6. $\frac{7}{8} - \frac{1}{8} = \frac{\boxed{6}}{\boxed{8}}$

7. $\frac{5}{6} - \frac{3}{6} = \frac{\boxed{2}}{\boxed{6}}$

8. $\frac{7}{12} - \frac{5}{12} = \frac{\boxed{2}}{\boxed{12}}$

9. $\frac{5}{6} - \frac{4}{6} = \frac{\boxed{1}}{\boxed{6}}$

10. $\frac{8}{12} - \frac{5}{12} = \frac{\boxed{3}}{\boxed{12}}$

11. $\frac{2}{4} - \frac{1}{4} = \frac{\boxed{1}}{\boxed{4}}$

12. $\frac{3}{5} - \frac{1}{5} = \frac{\boxed{2}}{\boxed{5}}$

Mixed Numbers and Improper Fractions

Name: _____ Date: _____

Change mixed numbers to improper fractions and improper fractions to mixed numbers.

1. $\frac{6}{4} = \square \frac{\square}{\square}$

2. $3 \frac{1}{5} = \frac{\square}{\square}$

3. $1 \frac{1}{8} = \frac{\square}{\square}$

4. $\frac{27}{6} = \square \frac{\square}{\square}$

5. $\frac{28}{5} = \square \frac{\square}{\square}$

6. $1 \frac{4}{5} = \frac{\square}{\square}$

7. $5 \frac{1}{5} = \frac{\square}{\square}$

8. $2 \frac{7}{8} = \frac{\square}{\square}$

9. $\frac{47}{8} = \square \frac{\square}{\square}$

10. $\frac{27}{5} = \square \frac{\square}{\square}$

11. $3 \frac{3}{8} = \frac{\square}{\square}$

12. $1 \frac{5}{6} = \frac{\square}{\square}$

Mixed Numbers and Improper Fractions

Answer Key

Change mixed numbers to improper fractions and improper fractions to mixed numbers.

$$1. \quad \frac{6}{4} = 1 \frac{2}{4}$$

$$2. \quad 3 \frac{1}{5} = \frac{16}{5}$$

$$3. \quad 1 \frac{1}{8} = \frac{9}{8}$$

$$4. \quad \frac{27}{6} = 4 \frac{3}{6}$$

$$5. \quad \frac{28}{5} = 5 \frac{3}{5}$$

$$6. \quad 1 \frac{4}{5} = \frac{9}{5}$$

$$7. \quad 5 \frac{1}{5} = \frac{26}{5}$$

$$8. \quad 2 \frac{7}{8} = \frac{23}{8}$$

$$9. \quad \frac{47}{8} = 5 \frac{7}{8}$$

$$10. \quad \frac{27}{5} = 5 \frac{2}{5}$$

$$11. \quad 3 \frac{3}{8} = \frac{27}{8}$$

$$12. \quad 1 \frac{5}{6} = \frac{11}{6}$$

Fraction of a Number

Name: _____ Date: _____

Divide by the denominator, then multiply by the numerator.

1. $\frac{1}{2}$ of 8 = _____

2. $\frac{7}{10}$ of 60 = _____

3. $\frac{1}{2}$ of 18 = _____

4. $\frac{5}{8}$ of 16 = _____

5. $\frac{2}{3}$ of 18 = _____

6. $\frac{8}{10}$ of 60 = _____

7. $\frac{2}{8}$ of 48 = _____

8. $\frac{4}{8}$ of 48 = _____

9. $\frac{1}{5}$ of 25 = _____

10. $\frac{1}{2}$ of 12 = _____

11. $\frac{5}{10}$ of 30 = _____

12. $\frac{3}{4}$ of 28 = _____

13. $\frac{1}{5}$ of 20 = _____

14. $\frac{2}{3}$ of 24 = _____

15. $\frac{2}{6}$ of 48 = _____

16. $\frac{1}{3}$ of 15 = _____

Fraction of a Number

Answer Key

Divide by the denominator, then multiply by the numerator.

1. $\frac{1}{2}$ of 8 = 4

2. $\frac{7}{10}$ of 60 = 42

3. $\frac{1}{2}$ of 18 = 9

4. $\frac{5}{8}$ of 16 = 10

5. $\frac{2}{3}$ of 18 = 12

6. $\frac{8}{10}$ of 60 = 48

7. $\frac{2}{8}$ of 48 = 12

8. $\frac{4}{8}$ of 48 = 24

9. $\frac{1}{5}$ of 25 = 5

10. $\frac{1}{2}$ of 12 = 6

11. $\frac{5}{10}$ of 30 = 15

12. $\frac{3}{4}$ of 28 = 21

13. $\frac{1}{5}$ of 20 = 4

14. $\frac{2}{3}$ of 24 = 16

15. $\frac{2}{6}$ of 48 = 16

16. $\frac{1}{3}$ of 15 = 5

Long Division: 2-Digit by 1-Digit

Name: _____ Date: _____

Divide using long division. No remainders on this page.

1.

$$3 \overline{)90}$$

2.

$$4 \overline{)24}$$

3.

$$9 \overline{)27}$$

4.

$$8 \overline{)56}$$

5.

$$6 \overline{)72}$$

6.

$$9 \overline{)54}$$

7.

$$7 \overline{)84}$$

8.

$$2 \overline{)52}$$

9.

$$4 \overline{)96}$$

10.

$$6 \overline{)48}$$

11.

$$3 \overline{)51}$$

12.

$$2 \overline{)56}$$

Long Division: 2-Digit by 1-Digit

Answer Key

Divide using long division. No remainders on this page.

1.

$$3 \overline{) 90} \quad \text{30}$$

2.

$$4 \overline{) 24} \quad \text{6}$$

3.

$$9 \overline{) 27} \quad \text{3}$$

4.

$$8 \overline{) 56} \quad \text{7}$$

5.

$$6 \overline{) 72} \quad \text{12}$$

6.

$$9 \overline{) 54} \quad \text{6}$$

7.

$$7 \overline{) 84} \quad \text{12}$$

8.

$$2 \overline{) 52} \quad \text{26}$$

9.

$$4 \overline{) 96} \quad \text{24}$$

10.

$$6 \overline{) 48} \quad \text{8}$$

11.

$$3 \overline{) 51} \quad \text{17}$$

12.

$$2 \overline{) 56} \quad \text{28}$$

Long Division With Remainders (2-Digit)

Name: _____ Date: _____

Divide. Write the remainder next to the quotient, like 14 R3.

1.

$$3 \overline{)98}$$

2.

$$3 \overline{)24}$$

3.

$$9 \overline{)38}$$

4.

$$2 \overline{)60}$$

5.

$$7 \overline{)40}$$

6.

$$5 \overline{)96}$$

7.

$$7 \overline{)52}$$

8.

$$4 \overline{)66}$$

9.

$$5 \overline{)30}$$

10.

$$7 \overline{)26}$$

11.

$$9 \overline{)45}$$

12.

$$9 \overline{)41}$$

Long Division With Remainders (2-Digit)

Answer Key

Divide. Write the remainder next to the quotient, like 14 R3.

1.

$$\begin{array}{r} 32 \text{ R}2 \\ 3 \overline{)98} \end{array}$$

2.

$$\begin{array}{r} 8 \\ 3 \overline{)24} \end{array}$$

3.

$$\begin{array}{r} 4 \text{ R}2 \\ 9 \overline{)38} \end{array}$$

4.

$$\begin{array}{r} 30 \\ 2 \overline{)60} \end{array}$$

5.

$$\begin{array}{r} 5 \text{ R}5 \\ 7 \overline{)40} \end{array}$$

6.

$$\begin{array}{r} 19 \text{ R}1 \\ 5 \overline{)96} \end{array}$$

7.

$$\begin{array}{r} 7 \text{ R}3 \\ 7 \overline{)52} \end{array}$$

8.

$$\begin{array}{r} 16 \text{ R}2 \\ 4 \overline{)66} \end{array}$$

9.

$$\begin{array}{r} 6 \\ 5 \overline{)30} \end{array}$$

10.

$$\begin{array}{r} 3 \text{ R}5 \\ 7 \overline{)26} \end{array}$$

11.

$$\begin{array}{r} 5 \\ 9 \overline{)45} \end{array}$$

12.

$$\begin{array}{r} 4 \text{ R}5 \\ 9 \overline{)41} \end{array}$$

Long Division: 3-Digit by 1-Digit

Name: _____

Date: _____

Divide. Bring down one digit at a time.

1.

$$2 \overline{)448}$$

2.

$$5 \overline{)345}$$

3.

$$8 \overline{)664}$$

4.

$$9 \overline{)126}$$

5.

$$6 \overline{)684}$$

6.

$$5 \overline{)220}$$

7.

$$5 \overline{)670}$$

8.

$$4 \overline{)328}$$

9.

$$7 \overline{)791}$$

10.

$$5 \overline{)860}$$

11.

$$5 \overline{)445}$$

12.

$$7 \overline{)581}$$

Long Division: 3-Digit by 1-Digit

Answer Key

Divide. Bring down one digit at a time.

1.

$$\begin{array}{r} 224 \\ 2 \overline{) 448} \end{array}$$

2.

$$\begin{array}{r} 69 \\ 5 \overline{) 345} \end{array}$$

3.

$$\begin{array}{r} 83 \\ 8 \overline{) 664} \end{array}$$

4.

$$\begin{array}{r} 14 \\ 9 \overline{) 126} \end{array}$$

5.

$$\begin{array}{r} 114 \\ 6 \overline{) 684} \end{array}$$

6.

$$\begin{array}{r} 44 \\ 5 \overline{) 220} \end{array}$$

7.

$$\begin{array}{r} 134 \\ 5 \overline{) 670} \end{array}$$

8.

$$\begin{array}{r} 82 \\ 4 \overline{) 328} \end{array}$$

9.

$$\begin{array}{r} 113 \\ 7 \overline{) 791} \end{array}$$

10.

$$\begin{array}{r} 172 \\ 5 \overline{) 860} \end{array}$$

11.

$$\begin{array}{r} 89 \\ 5 \overline{) 445} \end{array}$$

12.

$$\begin{array}{r} 83 \\ 7 \overline{) 581} \end{array}$$

Long Division With Remainders (3-Digit)

Name: _____

Date: _____

Divide and write any remainder with an R.

1.

$$8 \overline{)224}$$

2.

$$7 \overline{)684}$$

3.

$$6 \overline{)356}$$

4.

$$7 \overline{)202}$$

5.

$$8 \overline{)674}$$

6.

$$3 \overline{)529}$$

7.

$$4 \overline{)860}$$

8.

$$6 \overline{)341}$$

9.

$$7 \overline{)499}$$

10.

$$8 \overline{)622}$$

11.

$$5 \overline{)518}$$

12.

$$9 \overline{)342}$$

Long Division With Remainders (3-Digit)

Answer Key

Divide and write any remainder with an R.

1.

$$8 \overline{) 224} \quad \text{28}$$

2.

$$7 \overline{) 684} \quad \text{97 R5}$$

3.

$$6 \overline{) 356} \quad \text{59 R2}$$

4.

$$7 \overline{) 202} \quad \text{28 R6}$$

5.

$$8 \overline{) 674} \quad \text{84 R2}$$

6.

$$3 \overline{) 529} \quad \text{176 R1}$$

7.

$$4 \overline{) 860} \quad \text{215}$$

8.

$$6 \overline{) 341} \quad \text{56 R5}$$

9.

$$7 \overline{) 499} \quad \text{71 R2}$$

10.

$$8 \overline{) 622} \quad \text{77 R6}$$

11.

$$5 \overline{) 518} \quad \text{103 R3}$$

12.

$$9 \overline{) 342} \quad \text{38}$$

Long Division: 4-Digit by 1-Digit

Name: _____ Date: _____

Divide. Check by multiplying the quotient by the divisor.

1.

$$8 \overline{) 5994}$$

2.

$$5 \overline{) 5556}$$

3.

$$7 \overline{) 1802}$$

4.

$$8 \overline{) 3187}$$

5.

$$2 \overline{) 7085}$$

6.

$$5 \overline{) 1215}$$

7.

$$8 \overline{) 5924}$$

8.

$$2 \overline{) 5478}$$

9.

$$7 \overline{) 4922}$$

Long Division: 4-Digit by 1-Digit

Answer Key

Divide. Check by multiplying the quotient by the divisor.

1.

$$\begin{array}{r} 749 \text{ R}2 \\ 8 \overline{) 5994} \end{array}$$

2.

$$\begin{array}{r} 1111 \text{ R}1 \\ 5 \overline{) 5556} \end{array}$$

3.

$$\begin{array}{r} 257 \text{ R}3 \\ 7 \overline{) 1802} \end{array}$$

4.

$$\begin{array}{r} 398 \text{ R}3 \\ 8 \overline{) 3187} \end{array}$$

5.

$$\begin{array}{r} 3542 \text{ R}1 \\ 2 \overline{) 7085} \end{array}$$

6.

$$\begin{array}{r} 243 \\ 5 \overline{) 1215} \end{array}$$

7.

$$\begin{array}{r} 740 \text{ R}4 \\ 8 \overline{) 5924} \end{array}$$

8.

$$\begin{array}{r} 2739 \\ 2 \overline{) 5478} \end{array}$$

9.

$$\begin{array}{r} 703 \text{ R}1 \\ 7 \overline{) 4922} \end{array}$$

Multi-Digit Word Problems

Name: _____ Date: _____

Line up the digits and solve. Estimate first to check your answer.

1. Theo scored 1,280 points in the first game and 1,045 points in the second game. What was the total score?

Answer: _____

2. Aria has 1,351 marbles and Theo has 105. How many more marbles does Aria have than Theo?

Answer: _____

3. A jar held 3,322 jelly beans. Lily ate 1,522 of them. How many jelly beans are in the jar now?

Answer: _____

4. A baker made 4,564 muffins in the morning and 1,297 muffins in the afternoon. How many muffins did the baker make?

Answer: _____

5. There were 1,339 birds in a tree. Then 1,263 flew away. How many birds are still in the tree?

Answer: _____

6. Zoe had 3,660 stickers and gave 2,512 to Kai. How many stickers does Zoe have left?

Answer: _____

Multi-Digit Word Problems

Answer Key

Line up the digits and solve. Estimate first to check your answer.

1. Theo scored 1,280 points in the first game and 1,045 points in the second game. What was the total score?

Answer: 2,325

2. Aria has 1,351 marbles and Theo has 105. How many more marbles does Aria have than Theo?

Answer: 1,246

3. A jar held 3,322 jelly beans. Lily ate 1,522 of them. How many jelly beans are in the jar now?

Answer: 1,800

4. A baker made 4,564 muffins in the morning and 1,297 muffins in the afternoon. How many muffins did the baker make?

Answer: 5,861

5. There were 1,339 birds in a tree. Then 1,263 flew away. How many birds are still in the tree?

Answer: 76

6. Zoe had 3,660 stickers and gave 2,512 to Kai. How many stickers does Zoe have left?

Answer: 1,148

Multi-Digit Word Problems (Set 2)

Name: _____ Date: _____

Line up the digits and solve. Estimate first to check your answer.

1. A store had 2,831 balloons. It sold 2,437 of them. How many balloons are left?

Answer: _____

2. Liam walked 4,133 steps to the park and 387 steps back home. How many steps did Liam walk in total?

Answer: _____

3. A parking lot has 2,479 spaces. 317 cars are parked there. How many spaces are empty?

Answer: _____

4. A bus has 3,603 people on it. At the next stop, 2,914 more people get on. How many people are on the bus now?

Answer: _____

5. The class needs 3,090 cupcakes for a party. They have baked 1,306. How many more cupcakes do they need?

Answer: _____

6. A book has 1,187 pages. Ben has read 463 pages. How many pages are left to read?

Answer: _____

Multi-Digit Word Problems (Set 2)

Answer Key

Line up the digits and solve. Estimate first to check your answer.

1. A store had 2,831 balloons. It sold 2,437 of them. How many balloons are left?

Answer: 394

2. Liam walked 4,133 steps to the park and 387 steps back home. How many steps did Liam walk in total?

Answer: 4,520

3. A parking lot has 2,479 spaces. 317 cars are parked there. How many spaces are empty?

Answer: 2,162

4. A bus has 3,603 people on it. At the next stop, 2,914 more people get on. How many people are on the bus now?

Answer: 6,517

5. The class needs 3,090 cupcakes for a party. They have baked 1,306. How many more cupcakes do they need?

Answer: 1,784

6. A book has 1,187 pages. Ben has read 463 pages. How many pages are left to read?

Answer: 724

Rounding to the Nearest 1,000

Name: _____

Date: _____

Look at the hundreds digit. Round up at 500 or more.

1. 1,066 →

2. 7,672 →

3. 4,929 →

4. 1,772 →

5. 9,038 →

6. 3,140 →

7. 7,661 →

8. 4,903 →

9. 8,308 →

10. 9,470 →

11. 4,564 →

12. 7,678 →

13. 1,206 →

14. 4,631 →

15. 9,756 →

16. 7,095 →

17. 5,516 →

18. 9,605 →

19. 7,774 →

20. 8,489 →

Rounding to the Nearest 1,000

Answer Key

Look at the hundreds digit. Round up at 500 or more.

1. 1,066 → 1,000

2. 7,672 → 8,000

3. 4,929 → 5,000

4. 1,772 → 2,000

5. 9,038 → 9,000

6. 3,140 → 3,000

7. 7,661 → 8,000

8. 4,903 → 5,000

9. 8,308 → 8,000

10. 9,470 → 9,000

11. 4,564 → 5,000

12. 7,678 → 8,000

13. 1,206 → 1,000

14. 4,631 → 5,000

15. 9,756 → 10,000

16. 7,095 → 7,000

17. 5,516 → 6,000

18. 9,605 → 10,000

19. 7,774 → 8,000

20. 8,489 → 8,000

Rounding Table: 10, 100 and 1,000

Name: _____ Date: _____

Round each number three ways and fill in the table.

Number	Nearest 10	Nearest 100	Nearest 1,000
8,877			
1,139			
2,623			
5,893			
6,488			
3,193			
7,034			
9,779			
1,687			
1,431			

Rounding Table: 10, 100 and 1,000

Answer Key

Round each number three ways and fill in the table.

Number	Nearest 10	Nearest 100	Nearest 1,000
8,877	8,880	8,900	9,000
1,139	1,140	1,100	1,000
2,623	2,620	2,600	3,000
5,893	5,890	5,900	6,000
6,488	6,490	6,500	6,000
3,193	3,190	3,200	3,000
7,034	7,030	7,000	7,000
9,779	9,780	9,800	10,000
1,687	1,690	1,700	2,000
1,431	1,430	1,400	1,000

Rounding Table: 10, 100 and 1,000 (Set 2)

Name: _____ Date: _____

Round each number three ways and fill in the table.

Number	Nearest 10	Nearest 100	Nearest 1,000
7,731			
9,150			
8,632			
8,986			
8,598			
2,089			
4,235			
8,576			
4,279			
4,728			

Rounding Table: 10, 100 and 1,000 (Set 2)

Answer Key

Round each number three ways and fill in the table.

Number	Nearest 10	Nearest 100	Nearest 1,000
7,731	7,730	7,700	8,000
9,150	9,150	9,200	9,000
8,632	8,630	8,600	9,000
8,986	8,990	9,000	9,000
8,598	8,600	8,600	9,000
2,089	2,090	2,100	2,000
4,235	4,240	4,200	4,000
8,576	8,580	8,600	9,000
4,279	4,280	4,300	4,000
4,728	4,730	4,700	5,000

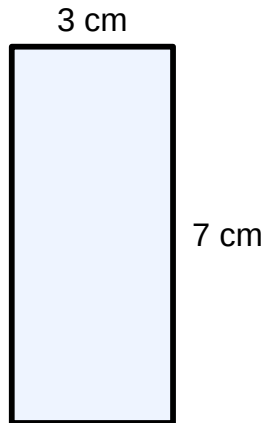
Area and Perimeter of Rectangles

Name: _____

Date: _____

Find both the perimeter and the area of each rectangle.

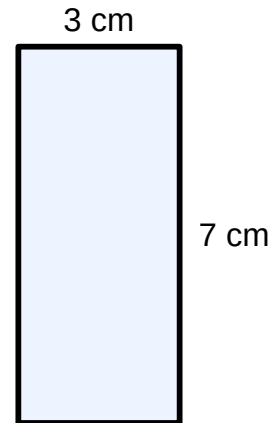
1.



Perimeter = cm

Area = sq cm

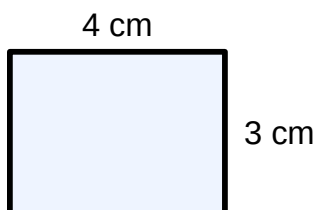
2.



Perimeter = cm

Area = sq cm

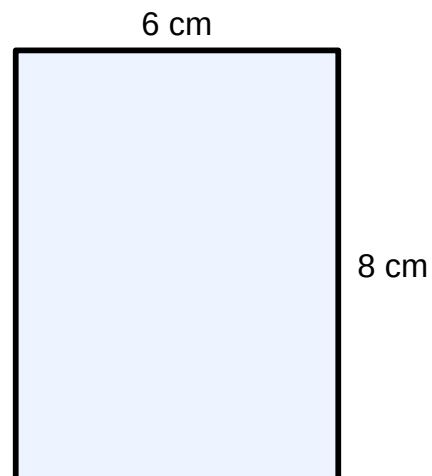
3.



Perimeter = cm

Area = sq cm

4.



Perimeter = cm

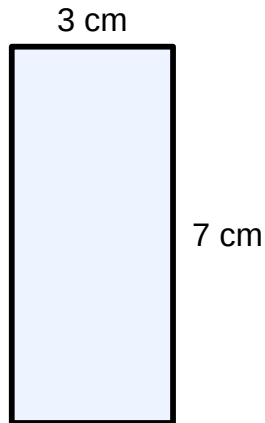
Area = sq cm

Area and Perimeter of Rectangles

Answer Key

Find both the perimeter and the area of each rectangle.

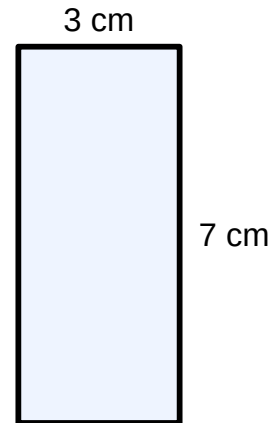
1.



$$\text{Perimeter} = \boxed{20} \text{ cm}$$

$$\text{Area} = \boxed{21} \text{ sq cm}$$

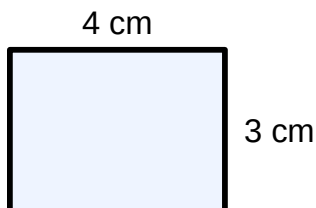
2.



$$\text{Perimeter} = \boxed{20} \text{ cm}$$

$$\text{Area} = \boxed{21} \text{ sq cm}$$

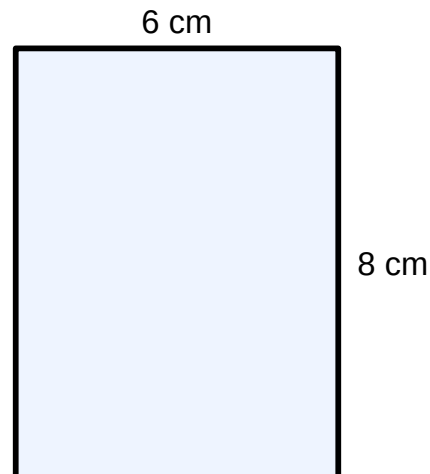
3.



$$\text{Perimeter} = \boxed{14} \text{ cm}$$

$$\text{Area} = \boxed{12} \text{ sq cm}$$

4.



$$\text{Perimeter} = \boxed{28} \text{ cm}$$

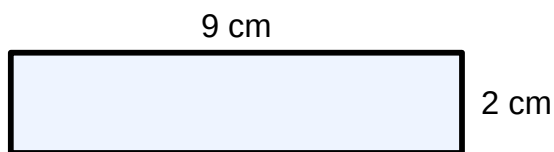
$$\text{Area} = \boxed{48} \text{ sq cm}$$

Area and Perimeter of Rectangles (Set 2)

Name: _____ Date: _____

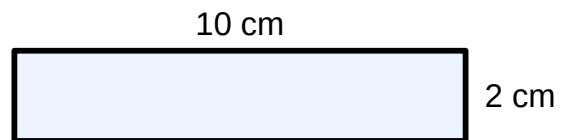
Find both the perimeter and the area of each rectangle.

1.



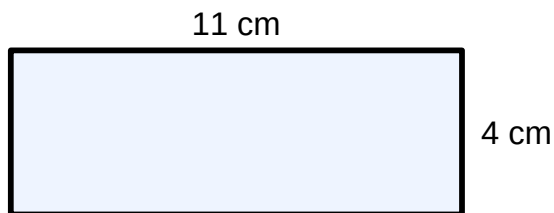
Perimeter = cm
Area = sq cm

2.



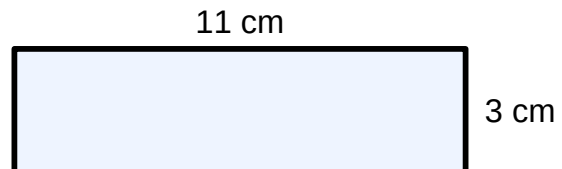
Perimeter = cm
Area = sq cm

3.



Perimeter = cm
Area = sq cm

4.



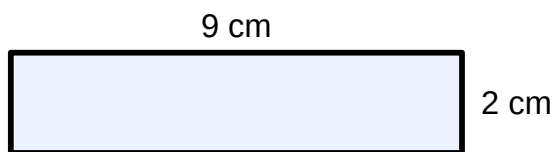
Perimeter = cm
Area = sq cm

Area and Perimeter of Rectangles (Set 2)

Answer Key

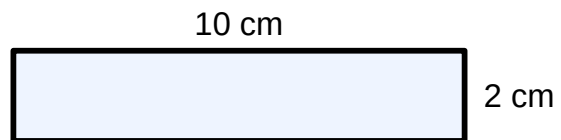
Find both the perimeter and the area of each rectangle.

1.



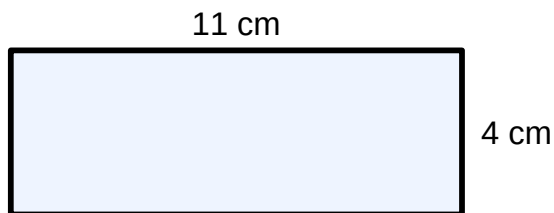
$$\begin{aligned}\text{Perimeter} &= \boxed{22} \text{ cm} \\ \text{Area} &= \boxed{18} \text{ sq cm}\end{aligned}$$

2.



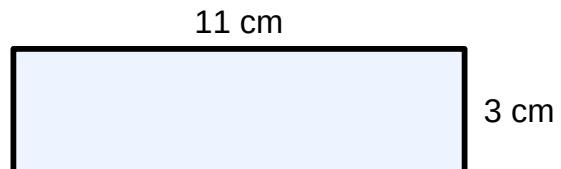
$$\begin{aligned}\text{Perimeter} &= \boxed{24} \text{ cm} \\ \text{Area} &= \boxed{20} \text{ sq cm}\end{aligned}$$

3.



$$\begin{aligned}\text{Perimeter} &= \boxed{30} \text{ cm} \\ \text{Area} &= \boxed{44} \text{ sq cm}\end{aligned}$$

4.



$$\begin{aligned}\text{Perimeter} &= \boxed{28} \text{ cm} \\ \text{Area} &= \boxed{33} \text{ sq cm}\end{aligned}$$

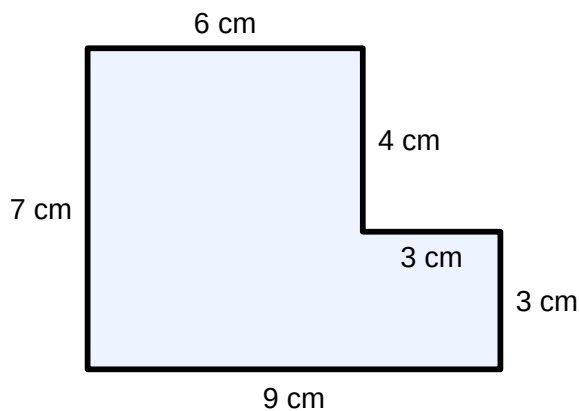
Area and Perimeter of L-Shapes

Name: _____

Date: _____

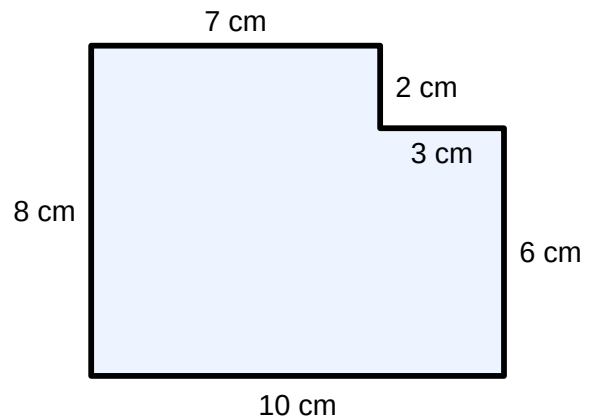
Split each shape into two rectangles to find the area. Add all six sides for the perimeter.

1.



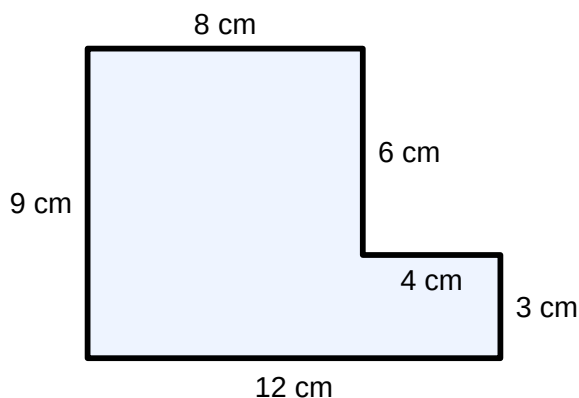
Area = sq cm
Perimeter = cm

2.



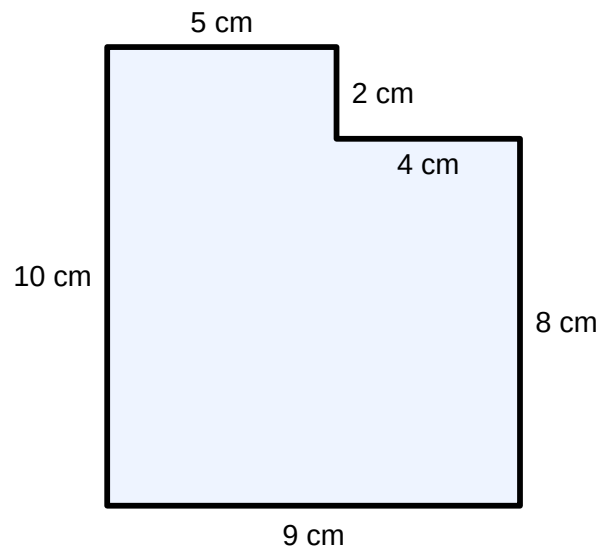
Area = sq cm
Perimeter = cm

3.



Area = sq cm
Perimeter = cm

4.



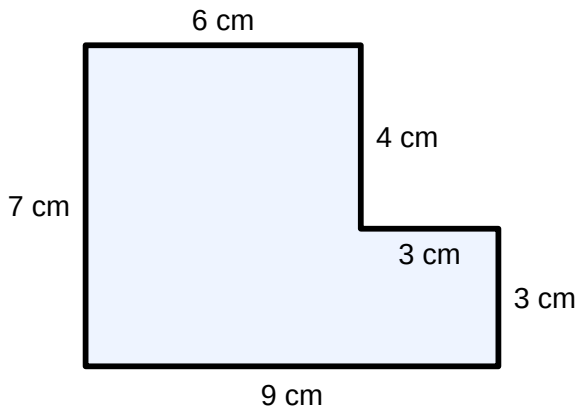
Area = sq cm
Perimeter = cm

Area and Perimeter of L-Shapes

Answer Key

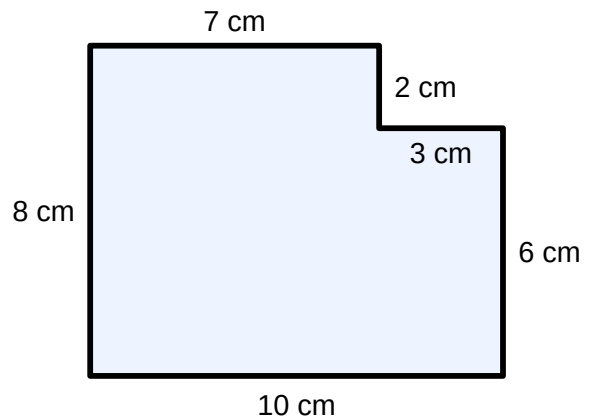
Split each shape into two rectangles to find the area. Add all six sides for the perimeter.

1.



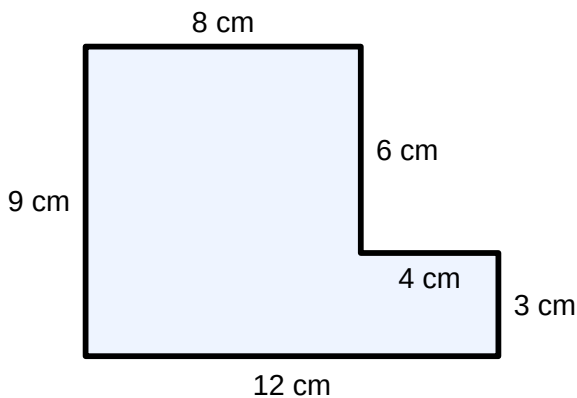
$$\text{Area} = \boxed{51} \text{ sq cm}$$
$$\text{Perimeter} = \boxed{32} \text{ cm}$$

2.



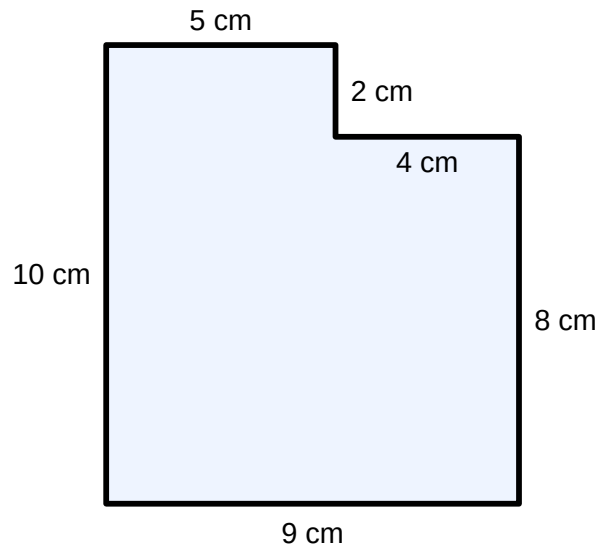
$$\text{Area} = \boxed{74} \text{ sq cm}$$
$$\text{Perimeter} = \boxed{36} \text{ cm}$$

3.



$$\text{Area} = \boxed{84} \text{ sq cm}$$
$$\text{Perimeter} = \boxed{42} \text{ cm}$$

4.



$$\text{Area} = \boxed{82} \text{ sq cm}$$
$$\text{Perimeter} = \boxed{38} \text{ cm}$$

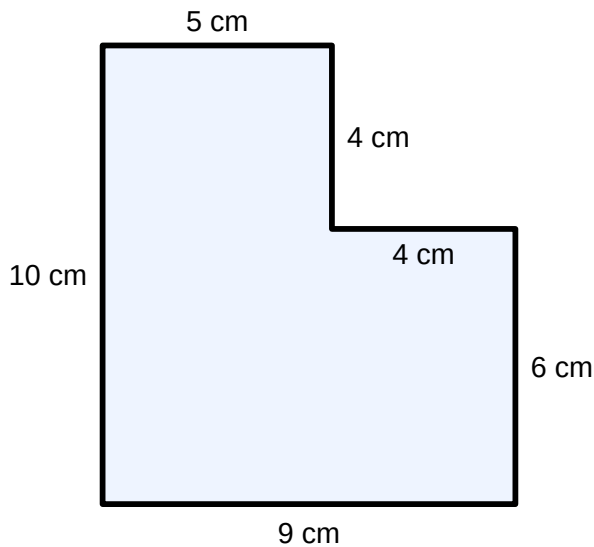
Area and Perimeter of L-Shapes (Set 2)

Name: _____

Date: _____

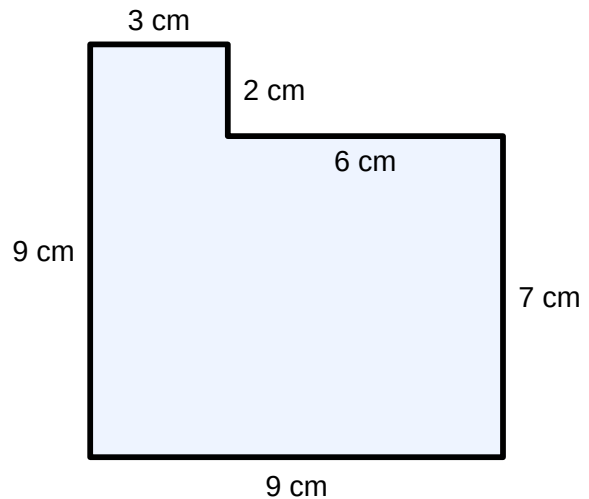
Split each shape into two rectangles to find the area. Add all six sides for the perimeter.

1.



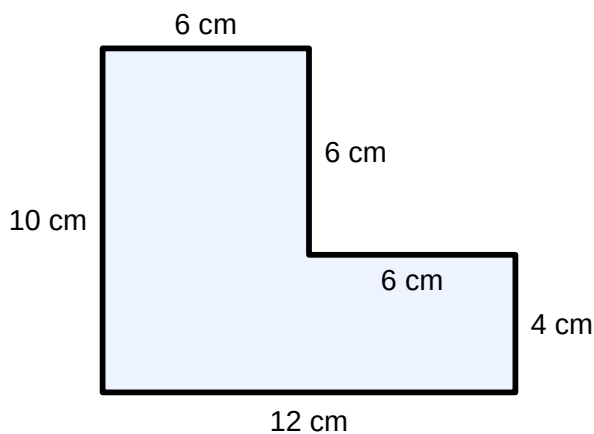
Area = sq cm
Perimeter = cm

2.



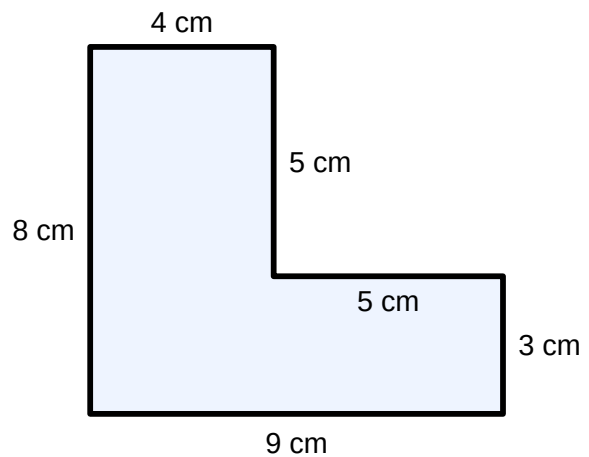
Area = sq cm
Perimeter = cm

3.



Area = sq cm
Perimeter = cm

4.



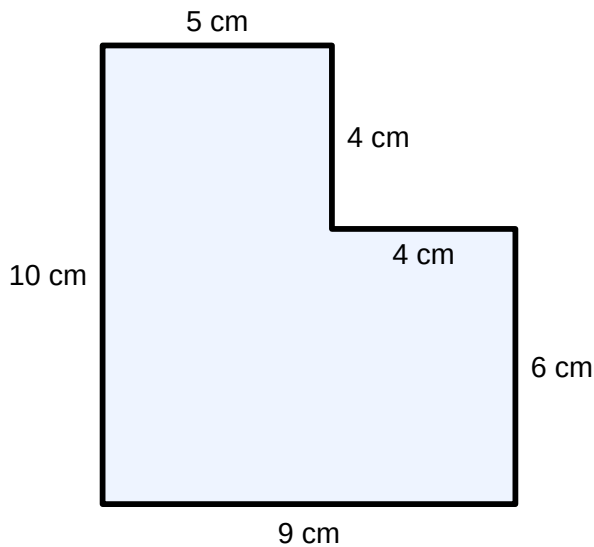
Area = sq cm
Perimeter = cm

Area and Perimeter of L-Shapes (Set 2)

Answer Key

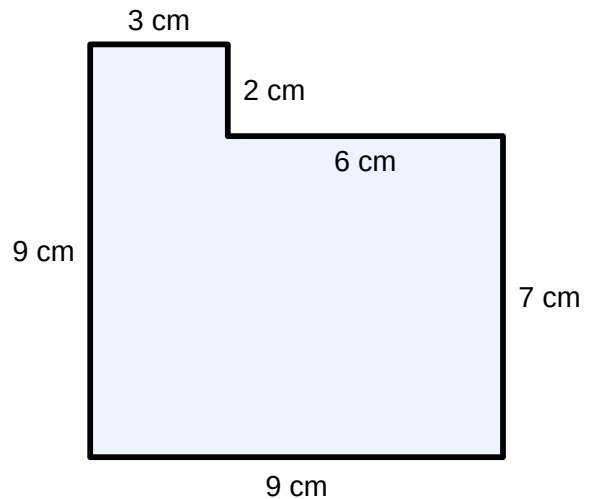
Split each shape into two rectangles to find the area. Add all six sides for the perimeter.

1.



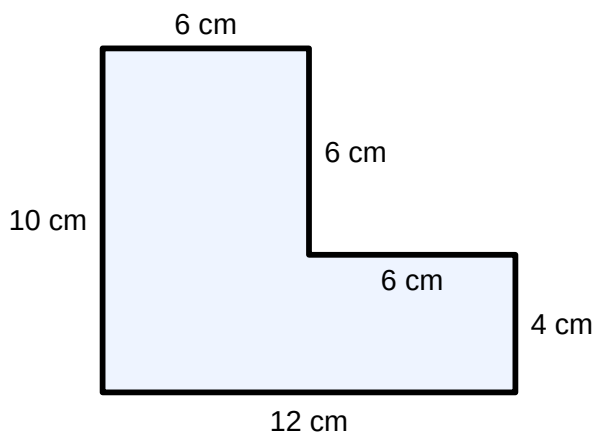
$$\text{Area} = \boxed{74} \text{ sq cm}$$
$$\text{Perimeter} = \boxed{38} \text{ cm}$$

2.



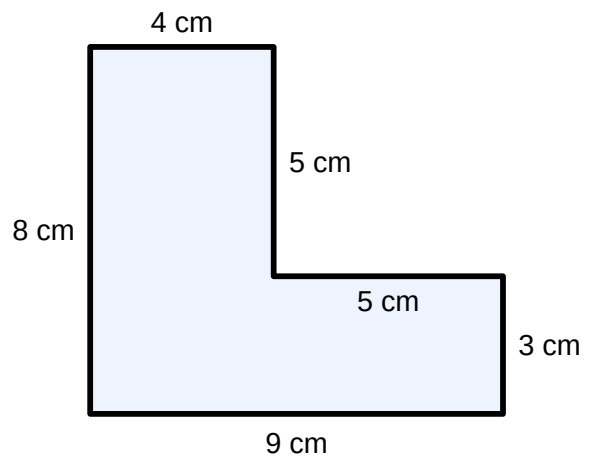
$$\text{Area} = \boxed{69} \text{ sq cm}$$
$$\text{Perimeter} = \boxed{36} \text{ cm}$$

3.



$$\text{Area} = \boxed{84} \text{ sq cm}$$
$$\text{Perimeter} = \boxed{44} \text{ cm}$$

4.



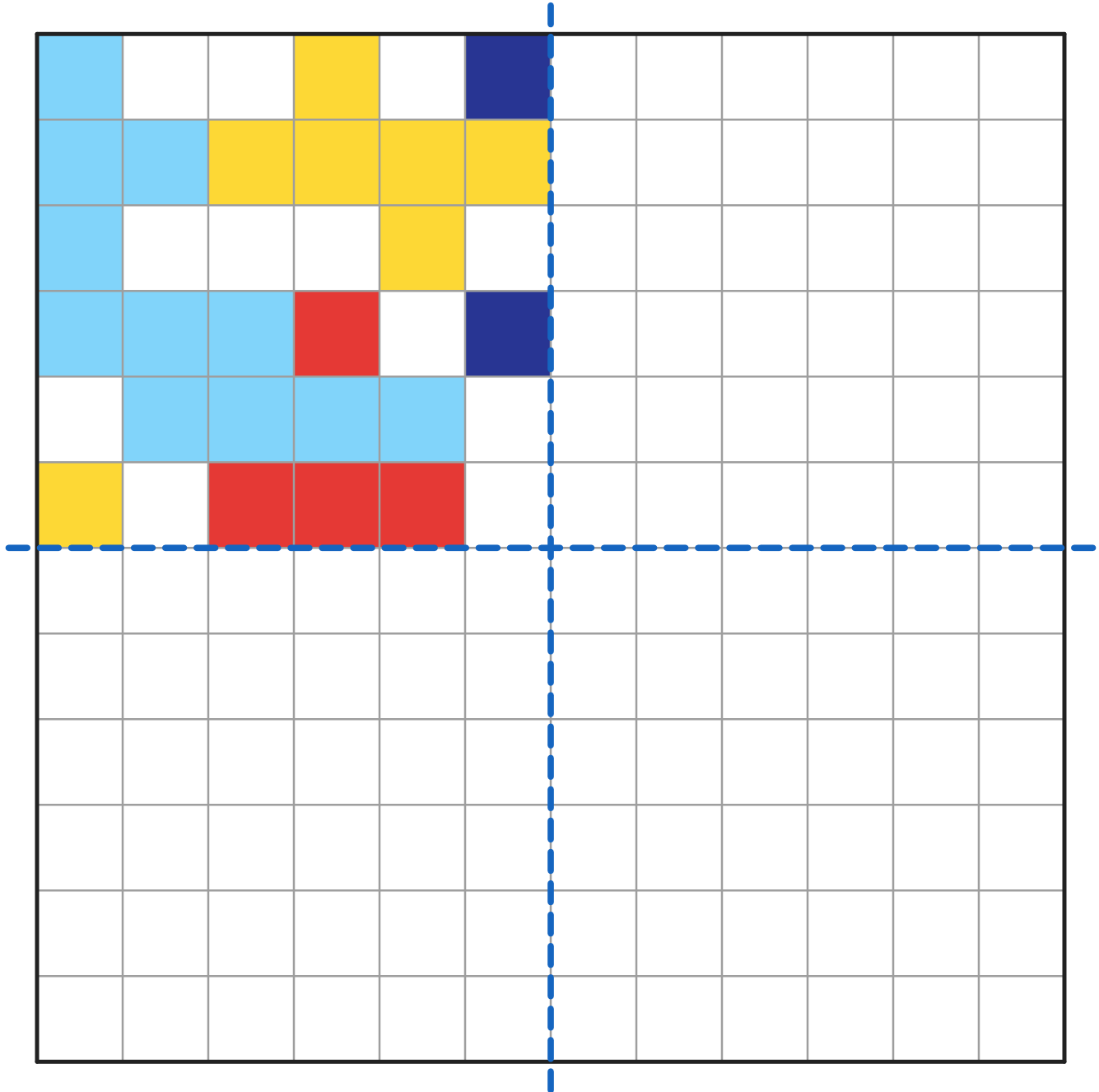
$$\text{Area} = \boxed{47} \text{ sq cm}$$
$$\text{Perimeter} = \boxed{34} \text{ cm}$$

Four-Way Symmetry: Quilt Block

Name: _____

Date: _____

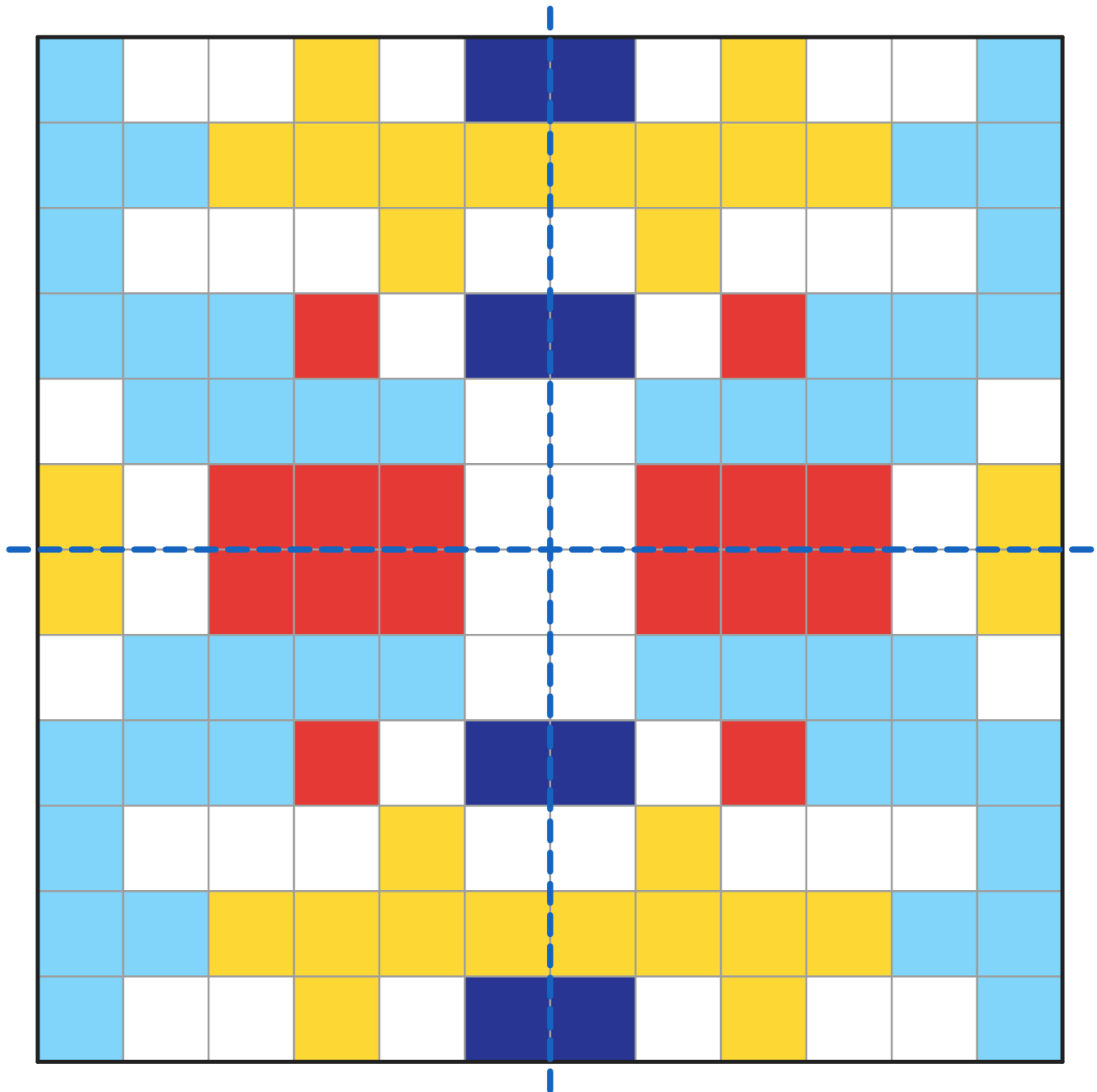
This quilt block has two lines of symmetry. Mirror the colored corner across both dashed lines to fill all four parts.



Four-Way Symmetry: Quilt Block

Answer Key

This quilt block has two lines of symmetry. Mirror the colored corner across both dashed lines to fill all four parts.



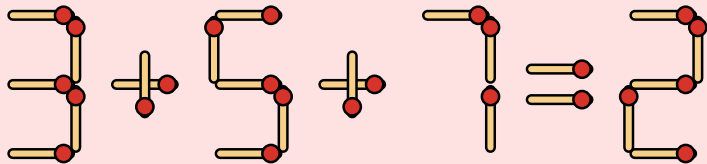
Move 1 Matchstick: Three-Number Equations

Name: _____

Date: _____

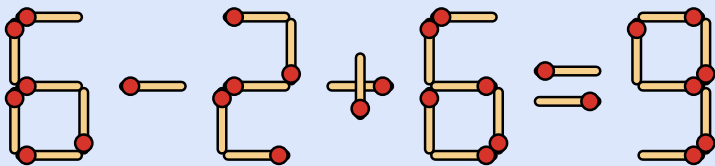
These equations have three numbers on the left. Move 1 matchstick to make each one true.

1.



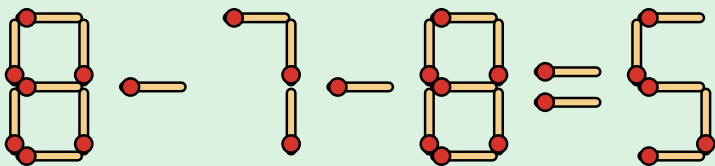
New equation:

2.



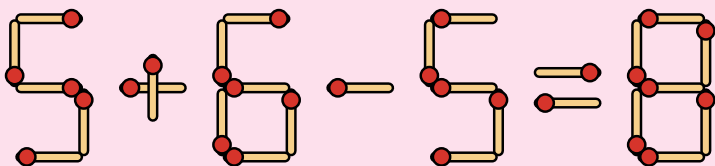
New equation:

3.



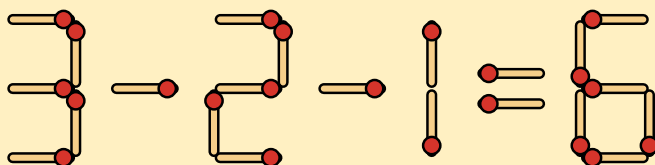
New equation:

4.



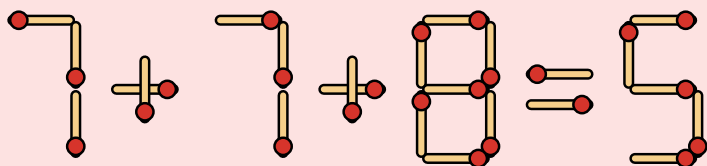
New equation:

5.



New equation:

6.



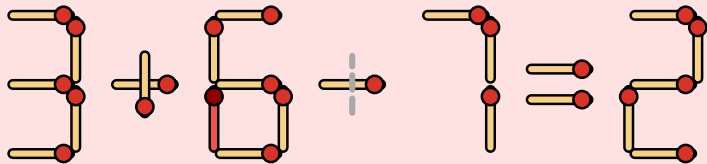
New equation:

Move 1 Matchstick: Three-Number Equations

Answer Key

These equations have three numbers on the left. Move 1 matchstick to make each one true.

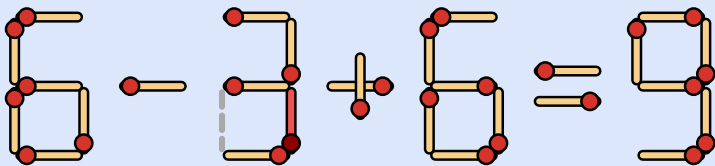
1.



New equation:

$$3 + 6 - 7 = 2$$

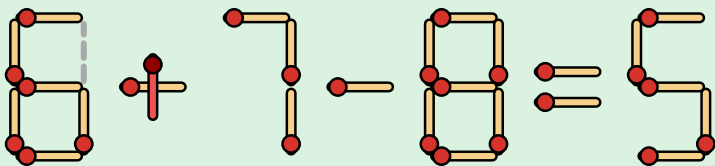
2.



New equation:

$$6 - 3 + 6 = 9$$

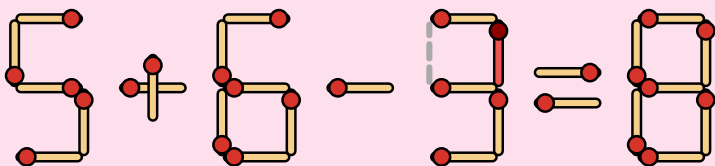
3.



New equation:

$$6 + 7 - 8 = 5$$

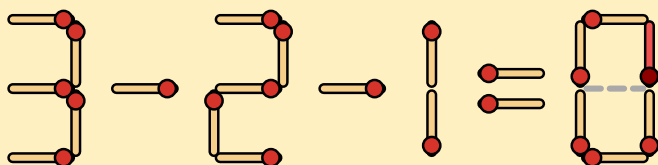
4.



New equation:

$$5 + 6 - 3 = 8$$

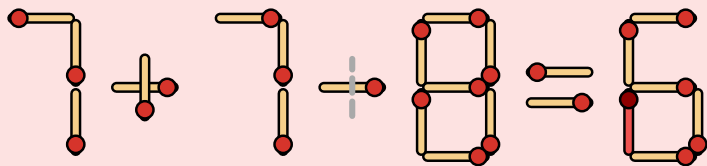
5.



New equation:

$$3 - 2 - 1 = 0$$

6.



New equation:

$$7 + 7 - 8 = 6$$

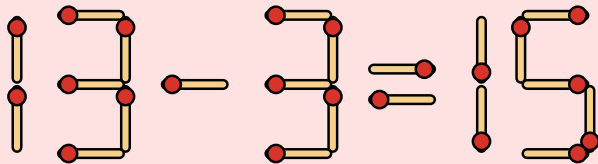
Move 2 Matchsticks: Hard Equation Puzzles

Name: _____

Date: _____

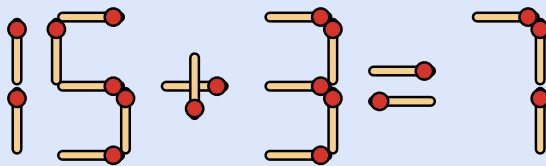
Hard mode: move exactly 2 matchsticks to make each equation true. There is only one way!

1.



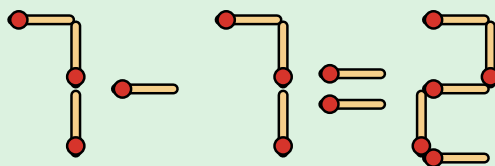
New equation:

2.



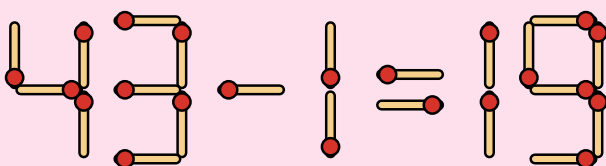
New equation:

3.



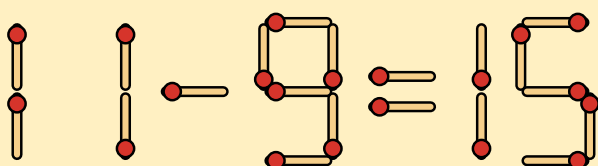
New equation:

4.



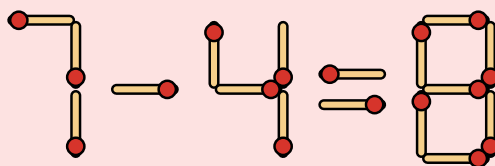
New equation:

5.



New equation:

6.



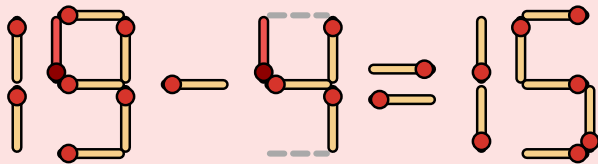
New equation:

Move 2 Matchsticks: Hard Equation Puzzles

Answer Key

Hard mode: move exactly 2 matchsticks to make each equation true. There is only one way!

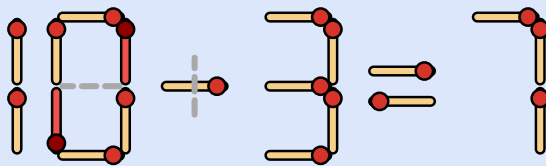
1.



New equation:

$$19 - 4 = 15$$

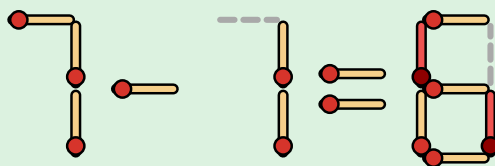
2.



New equation:

$$10 - 3 = 7$$

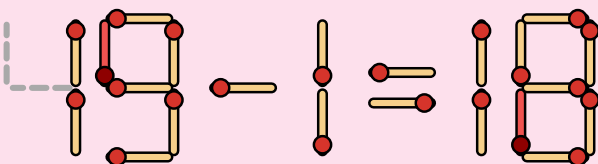
3.



New equation:

$$7 - 1 = 6$$

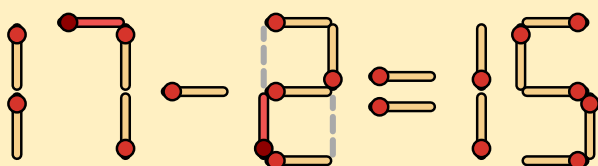
4.



New equation:

$$19 - 1 = 18$$

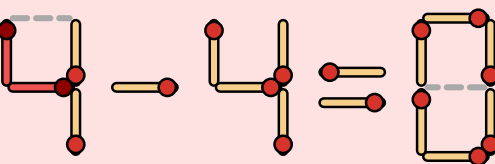
5.



New equation:

$$17 - 2 = 15$$

6.



New equation:

$$4 - 4 = 0$$

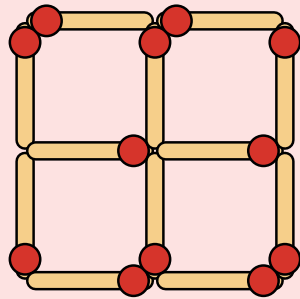
Matchstick Square Challenges

Name: _____

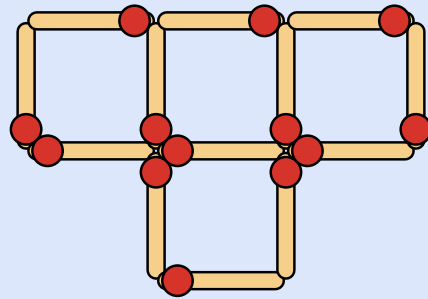
Date: _____

Hard square puzzles. Count every square, big and small, and leave no loose sticks.

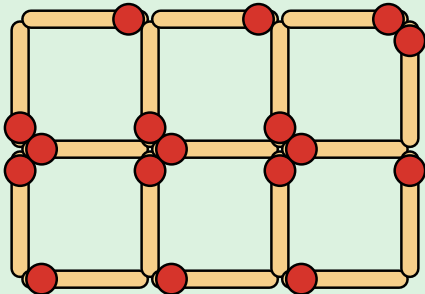
1. Move 3 sticks to make 3 squares.



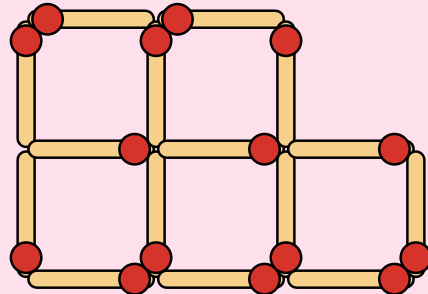
2. Move 2 sticks to make 3 squares.



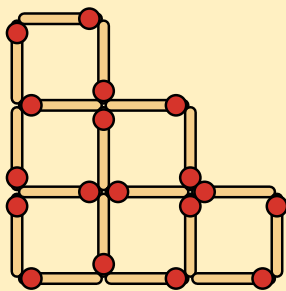
3. Take away 3 sticks to leave 2 squares.



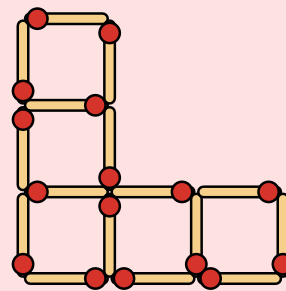
4. Take away 3 sticks to leave 5 squares.



5. Take away 4 sticks to leave 3 squares.



6. Take away 4 sticks to leave 3 squares.

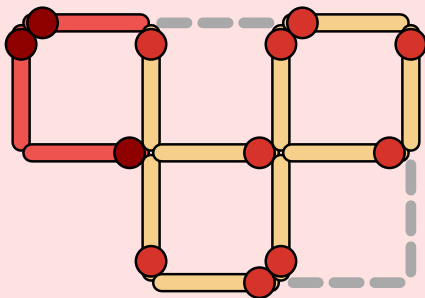


Matchstick Square Challenges

Answer Key

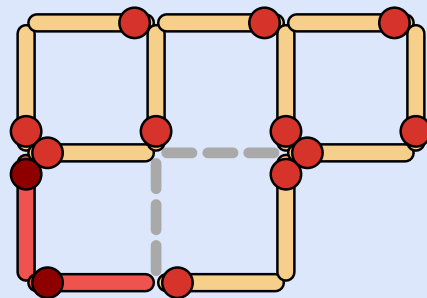
Hard square puzzles. Count every square, big and small, and leave no loose sticks.

- 1.** Move 3 sticks to make 3 squares.



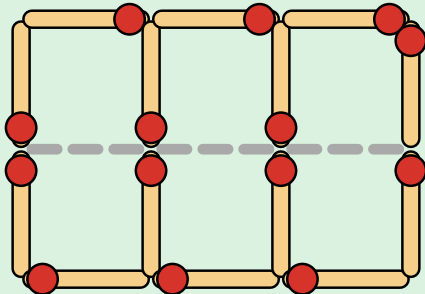
One possible answer

- 2.** Move 2 sticks to make 3 squares.

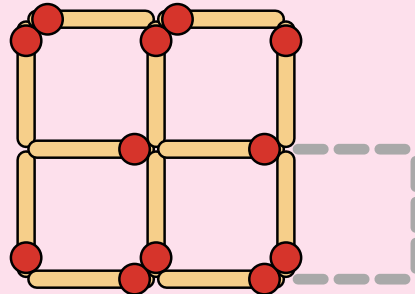


One possible answer

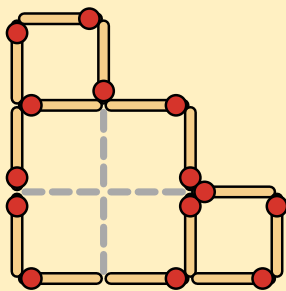
- 3.** Take away 3 sticks to leave 2 squares.



- 4.** Take away 3 sticks to leave 5 squares.



- 5.** Take away 4 sticks to leave 3 squares.



- 6.** Take away 4 sticks to leave 3 squares.

