

The image shows a notebook-style cover for 4th grade math worksheets. It features a light blue background with horizontal blue lines. A yellow banner at the top contains the text '4th Grade'. Below this, a red-bordered box contains the title 'Common Core Math Worksheets (For All Standards)'. Further down, the text 'Pairs with Interactive Math Notebooks from Create•Teach•Share' is displayed. At the bottom, another red-bordered box contains a description of the worksheets' use. The notebook has black spiral binding on the left side.

4th Grade

Common Core
Math
Worksheets
(For All Standards)

Pairs with Interactive Math Notebooks
from Create•Teach•Share

Can be used to follow up or reinforce Interactive Math Notebook lessons. Can also be used for homework, review, or assessment.

Worksheet Titles & Standards

- Multiplication Equations as Comparisons (4.OA.1)
- Word Problems with Multiplicative Comparison (4.OA.2)
- Multi-Step Word Problems (4.OA.3)
- Multiples & Factors (4.OA.4)
- Prime & Composite Number (4.OA.4)
- Patterns (4.OA.5)
- Place Value (4.NBT.1)
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- Word Problems: Multiplying Fractions by Whole Numbers (4.NF.4)
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- Line Plots (4.MD.4)
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- Measuring & Sketching Angles (4.MD.6)
- Unknown Angles (4.MD.7)
- Points, Lines, Line Segments & Rays (4.G.1)
- Angles (4.G.1)
- Perpendicular & Parallel Lines (4.G.1)
- Quadrilaterals & Triangles (4.G.2)
- Lines of Symmetry (4.G.3)

Name: _____ Date: _____

4.OA.1

Multiplication Equations as Comparisons

Directions: Write an equation for each situation.

1. 54 is 6 times as many as 9.

2. 5 groups of 8 is equal to 40.

3. 6 groups of 7 items is the same as 42 items.

4. The product of 9 and 4 is 36.

5. 5 multiplied by 9 is 45.

6. 35 is 5 times as many as 7.

7. 6 groups of 4 is equal to 24.

8. 4 groups of 8 items is the same as 32 items.

9. The product of 10 and 12 is 120.

10. 7 multiplied by 7 is equal to 49.

Name: Answer Key Date: _____

4.OA.1

Multiplication Equations as Comparisons

Directions: Write an equation for each situation.

1. 54 is 6 times as many as 9.

$$54 = 6 \times 9$$

2. 5 groups of 8 is equal to 40.

$$5 \times 8 = 40$$

3. 6 groups of 7 items is the same as 42 items.

$$6 \times 7 = 42$$

4. The product of 9 and 4 is 36.

$$9 \times 4 = 36$$

5. 5 multiplied by 9 is 45.

$$5 \times 9 = 45$$

6. 35 is 5 times as many as 7.

$$35 = 5 \times 7$$

7. 6 groups of 4 is equal to 24.

$$6 \times 4 = 24$$

8. 4 groups of 8 items is the same as 32 items.

$$4 \times 8 = 32$$

9. The product of 10 and 12 is 120.

$$10 \times 12 = 120$$

10. 7 multiplied by 7 is equal to 49.

$$7 \times 7 = 49$$

Name: _____ Date: _____

4.OA.2

Word Problems with Multiplicative Comparison

Directions: For each word problem, write an equation and/or draw a picture or model. Then solve.

1. Ricky made 5 baskets in last week's basketball game. This week he made twice as many. How many baskets did Ricky make this week?
2. In this week's soccer game, Julie played 3 times the number of minutes she played in last week's game. If she played 18 minutes this week, how many minutes did she play last week?
3. In today's basketball game, Ella made 4 times the number of baskets that Kay made. If Ella made 12 baskets, how many did Kay make?

Name: Answer Key Date: _____

4.OA.2

Word Problems with Multiplicative Comparison

Directions: For each word problem, write an equation and/or draw a picture or model. Then solve.

1. Ricky made 5 baskets in last week's basketball game. This week he made twice as many. How many baskets did Ricky make this week?

$$5 \times 2 = ?$$

10 baskets

2. In this week's soccer game, Julie played 3 times the number of minutes she played in last week's game. If she played 18 minutes this week, how many minutes did she play last week?

$$? \times 3 = 18$$

6 minutes

3. In today's basketball game, Ella made 4 times the number of baskets that Kay made. If Ella made 12 baskets, how many did Kay make?

$$? \times 4 = 12$$

3 baskets

Name: _____ Date: _____

4.OA.3

Multi-Step Word Problems

Directions: For each word problem, identify which operations to use, write an equation, and/or draw a picture or model. Then solve.

1. Riley made 5 trays of cupcakes for the bake sale. Each tray had 6 vanilla cupcakes and 8 chocolate cupcakes. How many total cupcakes did Riley make for the bake sale?
2. Craig's goal was to read 40 books during the school year. He reads 14 before winter break and 11 before spring break. How many will he need to read after spring break, in order to meet his goal?
3. On Monday, Lisa played handball for 22 minutes. On Tuesday, she played twice as long. How much time did Lisa spend playing handball altogether on Monday and Tuesday?

Name: Answer Key Date: _____

4.OA.3

Multi-Step Word Problems

Directions: For each word problem, identify which operations to use, write an equation, and/or draw a picture or model. Then solve.

1. Riley made 5 trays of cupcakes for the bake sale. Each tray had 6 vanilla cupcakes and 8 chocolate cupcakes. How many total cupcakes did Riley make for the bake sale?

$$(6 + 8) \times 5 = ?$$

70 cupcakes

2. Craig's goal was to read 40 books during the school year. He reads 14 before winter break and 11 before spring break. How many will he need to read after spring break, in order to meet his goal?

$$40 - (14 + 11) = ?$$

15 books

3. On Monday, Lisa played handball for 22 minutes. On Tuesday, she played twice as long. How much time did Lisa spend playing handball altogether on Monday and Tuesday?

$$(22 \times 2) + 22 = ?$$

66 minutes

Name: _____ Date: _____

4.OA.4

Multiples & Factors

Directions: List the first 8 multiples for each of the following.

3 _____

9 _____

10 _____

Directions: Find all the factors for each of the following.

16 _____

48 _____

50 _____

Name: Answer Key Date: _____

4.OA.4

Multiples & Factors

Directions: List the first 8 multiples for each of the following.

3 3, 6, 9, 12, 15, 18, 21, 24

9 9, 18, 27, 36, 45, 54, 63, 72

10 10, 20, 30, 40, 50, 60, 70, 80

Directions: Find all the factors for each of the following.

16 1, 2, 4, 8, 16

48 1, 2, 3, 4, 6, 8, 12, 16, 24, 48

50 1, 2, 5, 10, 25, 50

Name: _____ Date: _____

4.OA.4

Prime & Composite Numbers

Directions: For each of the following, tell whether the number is prime or composite. Then explain how you know.

5 prime composite

Explain: _____

27 prime composite

Explain: _____

32 prime composite

Explain: _____

71 prime composite

Explain: _____

Name: Answer Key Date: _____

4.OA.4

Prime & Composite Numbers

Directions: For each of the following, tell whether the number is prime or composite. Then explain how you know.

5 prime composite

Explain: 5 only has two factors: 1 and 5

27 prime composite

Explain: 27 has more than 2 factors: 1, 3, 9, 27

32 prime composite

Explain: 32 has more than 2 factors: 1, 2, 4, 8, 16, 32

71 prime composite

Explain: 71 only has two factors: 1 and 71

Name: _____ Date: _____

4.OA.5

Patterns

Directions: Create a pattern based on the rule given. Then explain what you notice about the pattern.

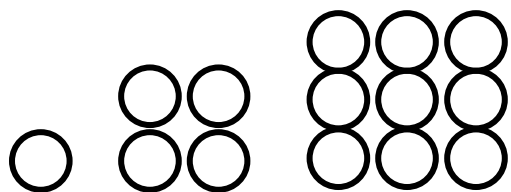
Start with 1 and multiply by 4.

What do you notice? _____

Start with 3 and add 2.

What do you notice? _____

Directions: Finish the pattern. Then explain what you notice about the pattern.



What do you notice? _____

Name: Answer Key Date: _____

4.OA.5

Patterns

Directions: Create a pattern based on the rule that is given. Then explain what you notice about the pattern.

Start with 1 and multiply by 4.

1, 4, 16, 64, 256, 1,024

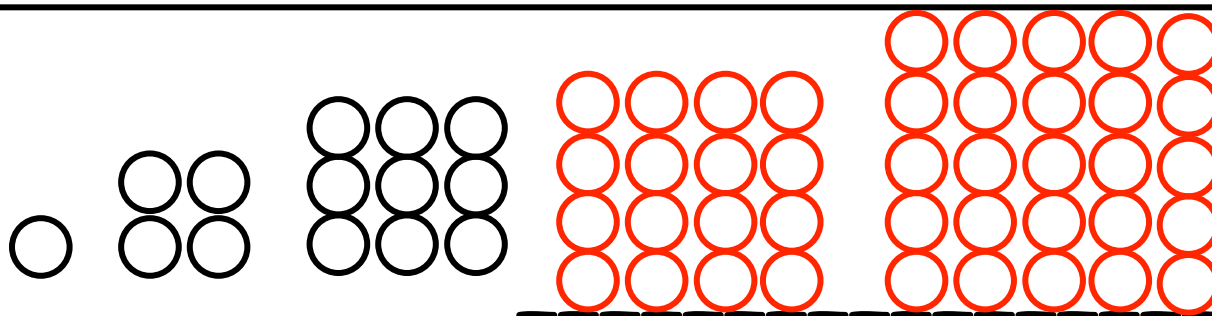
What do you notice? After 1, all even numbers and digit in the ones place alternates between 4 and 6

Start with 3 and add 2.

3, 5, 7, 9, 11, 13, 15...

What do you notice? All odd numbers

Directions: Finish the pattern. Then explain what you notice about the pattern.



What do you notice? The base and the sides are increasing my 1. The number of circles in base are squared.

Name: _____ Date: _____

4.NBT.1

Place Value

Directions: Find the value of the number given. Then compare the different values.

What is the value of 5 in the following numbers?

34,562

125,348

Value: _____

Compare the value of the 5 in these two numbers:

What is the value of 3 in the following numbers?

12,532

683

Value: _____

Compare the value of the 3 in these two numbers:

Name: Answer Key Date: _____

4.NBT.1

Place Value

Directions: Find the value of the number given. Then compare the different values.

What is the value of 5 in the following numbers?

34,562

125,348

Value: 500 5,000

Compare the value of the 5 in these two numbers:

The value of the 5 in 125,348 is 10 times the value of the 5 in 34,562.

What is the value of 3 in the following numbers?

12,532

683

Value: 30 3

Compare the value of the 3 in these two numbers:

The value of the 3 in 12,532 is 10 times the value of the 3 in 683.

Name: _____ Date: _____

4.NBT.2

Numerals, Word Form, and Expanded Form

Directions: Write each numeral in word form and expanded form.

3,789

Word Form: _____

Expanded Form: _____

20,605

Word Form: _____

Expanded Form: _____

109,230

Word Form: _____

Expanded Form: _____

Name: Answer Key Date: _____

4.NBT.2

Numerals, Word Form, and Expanded Form

Directions: Write each numeral in word form and expanded form.

3,789

Word Form: Three thousand eighty-nine

Expanded Form: $3,000 + 700 + 80 + 9$

20,605

Word Form: Twenty thousand, six hundred five

Expanded Form: $20,000 + 600 + 5$

109,230

Word Form: One hundred nine thousand, two hundred thirty

Expanded Form: $100,000 + 9,000 + 200 + 30$

Name: _____ Date: _____

4.NBT.2

Comparing Numbers

Directions: Use $<$, $>$, or $=$ to.

8,719 ____ 7,819

32,971 ____ 39,217

125,789 ____ 125,879

5,488 ____ 4,588

36,782 ____ 37,762

374,974 ____ 374,794

671,922 ____ 617,922

4,871 ____ 4,781

5,578 ____ 5,587

344,988 ____ 344,998

23,780 ____ 27,380

51,332 ____ 51,322

219,680 ____ 219,680

1,689 ____ 1,869

Name: Answer Key Date: _____

4.NBT.2

Comparing Numbers

Directions: Use $<$, $>$, or $=$ to.

$$8,719 \text{ } > \text{ } 7,819$$

$$32,971 \text{ } < \text{ } 39,217$$

$$125,789 \text{ } < \text{ } 125,879$$

$$5,488 \text{ } > \text{ } 4,588$$

$$36,782 \text{ } > \text{ } 37,762$$

$$374,974 \text{ } > \text{ } 374,794$$

$$671,922 \text{ } > \text{ } 617,922$$

$$4,871 \text{ } > \text{ } 4,781$$

$$5,578 \text{ } < \text{ } 5,587$$

$$344,988 \text{ } < \text{ } 344,998$$

$$23,780 \text{ } < \text{ } 27,380$$

$$51,332 \text{ } > \text{ } 51,322$$

$$219,680 \text{ } = \text{ } 219,680$$

$$1,689 \text{ } < \text{ } 1,869$$

Name: _____ Date: _____

4.NBT.3

Rounding

Directions: Round to the nearest place given.

Round to the nearest hundred.

23,791 _____

9,921 _____

Round to the nearest thousand.

123,689 _____

23,492 _____

Round to the nearest ten thousand.

41,867 _____

239,901 _____

Name: Answer Key Date: _____

4.NBT.3

Rounding

Directions: Round to the nearest place given.

Round to the nearest hundred.

23,791 23,800

9,921 9,900

Round to the nearest thousand.

123,689 124,000

23,492 23,000

Round to the nearest ten thousand.

41,867 40,000

239,901 240,000

Name: _____ Date: _____

4.NBT.4

Addition & Subtraction

Directions: Find the sum or difference.

$$\begin{array}{r} 32,789 \\ + 21,632 \\ \hline \end{array}$$

$$\begin{array}{r} 645,890 \\ + 238,746 \\ \hline \end{array}$$

$$\begin{array}{r} 41,566 \\ + 33,652 \\ \hline \end{array}$$

$$\begin{array}{r} 533,591 \\ - 272,408 \\ \hline \end{array}$$

$$\begin{array}{r} 93,783 \\ - 68,135 \\ \hline \end{array}$$

$$\begin{array}{r} 540,987 \\ - 348,781 \\ \hline \end{array}$$

Name: Answer Key Date: _____

4.NBT.4

Addition & Subtraction

Directions: Find the sum or difference.

$$\begin{array}{r} 32,789 \\ + 21,632 \\ \hline 54,421 \end{array}$$

$$\begin{array}{r} 645,890 \\ + 238,746 \\ \hline 884,636 \end{array}$$

$$\begin{array}{r} 41,566 \\ + 33,652 \\ \hline 75,218 \end{array}$$

$$\begin{array}{r} 533,591 \\ - 272,408 \\ \hline 261,183 \end{array}$$

$$\begin{array}{r} 93,783 \\ - 68,135 \\ \hline 25,648 \end{array}$$

$$\begin{array}{r} 540,987 \\ - 348,781 \\ \hline 192,206 \end{array}$$

Name: _____ Date: _____

4.NBT.5

Multiplication (by 1 digit)

Directions: Use the strategy of your choice to find the product.

$$\begin{array}{r} 89 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 625 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3,822 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 819 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5,677 \\ \times 6 \\ \hline \end{array}$$

Name: Answer Key Date: _____

4.NBT.5

Multiplication (by 1 digit)

Directions: Use the strategy of your choice to find the product.

$$\begin{array}{r} 89 \\ \times 3 \\ \hline 267 \end{array}$$

$$\begin{array}{r} 625 \\ \times 6 \\ \hline 3,750 \end{array}$$

$$\begin{array}{r} 3,822 \\ \times 4 \\ \hline 15,288 \end{array}$$

$$\begin{array}{r} 54 \\ \times 7 \\ \hline 378 \end{array}$$

$$\begin{array}{r} 819 \\ \times 8 \\ \hline 6,552 \end{array}$$

$$\begin{array}{r} 5,677 \\ \times 6 \\ \hline 34,062 \end{array}$$

Name: _____ Date: _____

4.NBT.5

Multiplication (by 2 digits)

Directions: Use the strategy of your choice to find the product.

$$\begin{array}{r} 92 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ \times 34 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ \times 41 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ \times 28 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 19 \\ \hline \end{array}$$

Name: Answer Key Date: _____

4.NBT.5

Multiplication (by 2 digits)

Directions: Use the strategy of your choice to find the product.

$$\begin{array}{r} 92 \\ \times 43 \\ \hline 3,956 \end{array}$$

$$\begin{array}{r} 56 \\ \times 34 \\ \hline 1,904 \end{array}$$

$$\begin{array}{r} 78 \\ \times 41 \\ \hline 3,198 \end{array}$$

$$\begin{array}{r} 83 \\ \times 37 \\ \hline 3,071 \end{array}$$

$$\begin{array}{r} 46 \\ \times 28 \\ \hline 1,288 \end{array}$$

$$\begin{array}{r} 45 \\ \times 19 \\ \hline 855 \end{array}$$

Name: _____ Date: _____

4.NBT.5

Division

Directions: Use the strategy of your choice to find the quotient.

$$9 \overline{) 789}$$

$$6 \overline{) 542}$$

$$5 \overline{) 4,293}$$

$$8 \overline{) 453}$$

$$5 \overline{) 732}$$

$$4 \overline{) 5,615}$$

Name: Answer Key Date: _____

4.NBT.5

Division

Directions: Use the strategy of your choice to find the quotient.

$$\begin{array}{r} 87 \text{ r.}6 \\ 9 \overline{) 789} \end{array}$$

$$\begin{array}{r} 90 \text{ r.}2 \\ 6 \overline{) 542} \end{array}$$

$$\begin{array}{r} 858 \text{ r.}3 \\ 5 \overline{) 4,293} \end{array}$$

$$\begin{array}{r} 56 \text{ r.}5 \\ 8 \overline{) 453} \end{array}$$

$$\begin{array}{r} 146 \text{ r.}2 \\ 5 \overline{) 732} \end{array}$$

$$\begin{array}{r} 1,403 \text{ r.}3 \\ 4 \overline{) 5,615} \end{array}$$

Name: _____ Date: _____

4.NF.1

Equivalent Fractions

Directions: Find an equivalent fraction for each of the following.

$$\frac{1}{3} = \underline{\hspace{2cm}}$$

$$\frac{1}{4} = \underline{\hspace{2cm}}$$

$$\frac{2}{5} = \underline{\hspace{2cm}}$$

$$\frac{5}{6} = \underline{\hspace{2cm}}$$

$$\frac{3}{8} = \underline{\hspace{2cm}}$$

$$\frac{5}{8} = \underline{\hspace{2cm}}$$

$$\frac{3}{10} = \underline{\hspace{2cm}}$$

$$\frac{8}{10} = \underline{\hspace{2cm}}$$

$$\frac{1}{12} = \underline{\hspace{2cm}}$$

Name: Answer Key Date: _____

4.NF.1

Equivalent Fractions

Directions: Find an equivalent fraction for each of the following.

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

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

$$\frac{2}{5} = \frac{4}{10}$$

$$\frac{5}{6} = \frac{10}{12}$$

$$\frac{3}{8} = \frac{6}{16}$$

$$\frac{5}{8} = \frac{10}{16}$$

$$\frac{3}{10} = \frac{6}{20}$$

$$\frac{8}{10} = \frac{4}{5}$$

$$\frac{1}{12} = \frac{2}{24}$$

Name: _____ Date: _____

4.NF.2

Comparing Fractions

Directions: Use $<$, $>$, $=$ to compare.

$$\frac{1}{3} \underline{\hspace{1cm}} \frac{2}{5}$$

$$\frac{1}{2} \underline{\hspace{1cm}} \frac{1}{3}$$

$$\frac{1}{4} \underline{\hspace{1cm}} \frac{2}{5}$$

$$\frac{2}{3} \underline{\hspace{1cm}} \frac{3}{4}$$

$$\frac{2}{5} \underline{\hspace{1cm}} \frac{4}{10}$$

$$\frac{1}{3} \underline{\hspace{1cm}} \frac{2}{6}$$

$$\frac{3}{6} \underline{\hspace{1cm}} \frac{2}{3}$$

$$\frac{1}{3} \underline{\hspace{1cm}} \frac{1}{10}$$

$$\frac{3}{8} \underline{\hspace{1cm}} \frac{3}{5}$$

Name: _____ Date: _____

4.NF.2

Comparing Fractions

Directions: Use <, >, = to compare.

$$\frac{1}{3} < \frac{2}{5}$$

$$\frac{1}{2} > \frac{1}{3}$$

$$\frac{1}{4} < \frac{2}{5}$$

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

$$\frac{2}{5} = \frac{4}{10}$$

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

$$\frac{3}{6} < \frac{2}{3}$$

$$\frac{1}{3} > \frac{1}{10}$$

$$\frac{3}{8} < \frac{3}{5}$$

Name: _____ Date: _____

4.NF.3

Decomposing Fractions

Directions: Find 2 ways to decompose each fraction.

$$\frac{5}{5}$$

$$\frac{8}{5}$$

$$\frac{7}{10}$$

$$\frac{7}{12}$$

Name: _____ Date: _____

4.NF.3

Decomposing Fractions

Directions: Find 2 ways to decompose each fraction.

Answers may vary.

$$5\frac{4}{5}$$

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

$$\frac{2}{5} + \frac{2}{5}$$

$$8\frac{5}{8}$$

$$\frac{2}{8} + \frac{3}{8}$$

$$\frac{1}{8} + \frac{1}{8} + \frac{3}{8}$$

$$7\frac{7}{10}$$

$$\frac{6}{10} + \frac{1}{10}$$

$$\frac{1}{10} + \frac{1}{10} + \frac{5}{10}$$

$$7\frac{7}{12}$$

$$\frac{5}{12} + \frac{2}{12}$$

$$\frac{4}{12} + \frac{3}{12}$$

Name: _____ Date: _____

4.NF.3

Adding & Subtracting Fractions

Directions: Find the sum or difference.

$$\frac{1}{4} + \frac{2}{4} = \underline{\hspace{2cm}}$$

$$\frac{1}{3} + \frac{1}{3} = \underline{\hspace{2cm}}$$

$$\frac{2}{5} + \frac{1}{5} = \underline{\hspace{2cm}}$$

$$\frac{3}{6} + \frac{1}{6} = \underline{\hspace{2cm}}$$

$$\frac{3}{8} - \frac{1}{8} = \underline{\hspace{2cm}}$$

$$\frac{7}{10} - \frac{1}{10} = \underline{\hspace{2cm}}$$

$$\frac{5}{12} - \frac{2}{12} = \underline{\hspace{2cm}}$$

$$\frac{3}{12} - \frac{1}{12} = \underline{\hspace{2cm}}$$

Name: _____ Date: _____

4.NF.3

Adding & Subtracting Fractions

Directions: Find the sum or difference.

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

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

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

$$\frac{3}{6} + \frac{1}{6} = \underline{\frac{4}{6}}$$

$$\frac{3}{8} - \frac{1}{8} = \underline{\frac{2}{8}}$$

$$\frac{7}{10} - \frac{1}{10} = \underline{\frac{6}{10}}$$

$$\frac{5}{12} - \frac{2}{12} = \underline{\frac{3}{12}}$$

$$\frac{3}{12} - \frac{1}{12} = \underline{\frac{2}{12}}$$

Name: _____ Date: _____

4.NF.3

Adding & Subtracting Mixed Numbers

Directions: Find the sum or difference.

$$3\frac{1}{4} + 2\frac{2}{4} = \underline{\hspace{2cm}}$$

$$2\frac{1}{3} + 1\frac{1}{3} = \underline{\hspace{2cm}}$$

$$4\frac{1}{5} + 2\frac{1}{5} = \underline{\hspace{2cm}}$$

$$2\frac{2}{5} + 2\frac{3}{5} = \underline{\hspace{2cm}}$$

$$3\frac{1}{6} - 1\frac{2}{6} = \underline{\hspace{2cm}}$$

$$5\frac{3}{6} - 1\frac{1}{6} = \underline{\hspace{2cm}}$$

$$3\frac{3}{8} - 2\frac{1}{8} = \underline{\hspace{2cm}}$$

$$2\frac{3}{4} - 1\frac{1}{4} = \underline{\hspace{2cm}}$$

Name: _____ Date: _____

Answer Key

4.NF.3

Adding & Subtracting Mixed Numbers

Directions: Find the sum or difference.

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

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

$$4\frac{1}{5} + 2\frac{1}{5} = \underline{6\frac{2}{5}}$$

$$2\frac{2}{5} + 2\frac{3}{5} = \underline{5}$$

$$3\frac{2}{6} - 1\frac{1}{6} = \underline{2\frac{1}{6}}$$

$$5\frac{3}{6} - 1\frac{1}{6} = \underline{4\frac{2}{6}}$$

$$3\frac{3}{8} - 2\frac{1}{8} = \underline{1\frac{2}{8}}$$

$$2\frac{3}{4} - 1\frac{1}{4} = \underline{1\frac{2}{4}}$$

Name: _____ Date: _____

4.NF.3

Word Problems: Adding and Subtracting Fractions

Directions: For each word problem, write an equation and/or draw a picture or model. Then solve.

1. Daisy has read $\frac{1}{8}$ of the books in her classroom's library. If she reads another $\frac{1}{8}$ of the books in the first month of school, what fraction of books will she have read?
2. Jackson brought cookies to school to share with his friends. By recess time, $\frac{3}{5}$ of the cookies were left. After recess, another $\frac{1}{5}$ of the cookies were eaten. What fraction of cookies did they have left to enjoy after lunch?
3. Before lunch Luke put together $\frac{3}{10}$ of a puzzle. After lunch he put together another $\frac{4}{10}$ of the puzzle. How much of the puzzle has he completed?

Name: Answer Key Date: _____

4.NF.3

Word Problems: Adding and Subtracting Fractions

Directions: For each word problem, write an equation and/or draw a picture or model. Then solve.

1. Daisy has read $\frac{1}{8}$ of the books in her classroom's library. If she reads another $\frac{1}{8}$ of the books in the first month of school, what fraction of books will she have read?

$\frac{2}{8}$ of the books

2. Jackson brought cookies to school to share with his friends. By recess time, $\frac{3}{5}$ of the cookies were left. After recess, another $\frac{1}{5}$ of the cookies were eaten. What fraction of cookies did they have left to enjoy after lunch?

$\frac{2}{5}$ of the cookies

3. Before lunch Luke put together $\frac{3}{10}$ of a puzzle. After lunch he put together another $\frac{4}{10}$ of the puzzle. How much of the puzzle has he completed?

$\frac{7}{10}$ of the puzzle

Name: _____ Date: _____

4.NF.4

Multiplying Fractions by Whole Numbers

Directions: Find the product.

$$3 \times \frac{1}{4} = \underline{\hspace{2cm}}$$

$$2 \times \frac{1}{3} = \underline{\hspace{2cm}}$$

$$4 \times \frac{1}{5} = \underline{\hspace{2cm}}$$

$$2 \times \frac{2}{5} = \underline{\hspace{2cm}}$$

$$3 \times \frac{2}{6} = \underline{\hspace{2cm}}$$

$$5 \times \frac{2}{5} = \underline{\hspace{2cm}}$$

$$2 \times \frac{3}{8} = \underline{\hspace{2cm}}$$

$$2 \times \frac{2}{4} = \underline{\hspace{2cm}}$$

Name: Answer Key Date: _____

4.NF.4

Multiplying Fractions by Whole Numbers

Directions: Find the product.

$$3 \times \frac{1}{4} = \underline{\frac{3}{4}}$$

$$2 \times \frac{1}{3} = \underline{\frac{2}{3}}$$

$$4 \times \frac{1}{5} = \underline{\frac{4}{5}}$$

$$2 \times \frac{2}{5} = \underline{\frac{4}{5}}$$

$$3 \times \frac{2}{6} = \underline{1}$$

$$5 \times \frac{2}{5} = \underline{2}$$

$$2 \times \frac{3}{8} = \underline{\frac{6}{8}}$$

$$2 \times \frac{2}{4} = \underline{1}$$

Name: _____ Date: _____

4.NF.4

Word Problems: Multiplying Fractions and Whole Numbers

Directions: For each word problem, write an equation and/or draw a picture or model. Then solve.

1. There are 10 players on Kyle's soccer team. $\frac{2}{5}$ of player on his team are girls. How many players are girls?
2. Riley and her brother ordered a pizza with 8 slices. If they ate $\frac{1}{4}$ of the pizza before going to play, how many slices did they eat?
3. Kristy is making cupcakes for her 6 friends. If $\frac{2}{3}$ of her friends want chocolate. How many chocolate cupcakes will she make?
4. Ten students in Mr. Burke's class signed up to order lunch. $\frac{1}{5}$ of those students wanted hot lunch. How many students ordered hot lunch?

Name: Answer Key Date: _____

4.NF.4

Word Problems: Multiplying Fractions and Whole Numbers

Directions: For each word problem, write an equation and/or draw a picture or model. Then solve.

1. There are 10 players on Kyle's soccer team. $\frac{2}{5}$ of player on his team are girls. How many players are girls?

4 of the players are girls.

2. Riley and her brother ordered a pizza with 8 slices. If they ate $\frac{1}{4}$ of the pizza before going to play, how many slices did they eat?

They ate 2 slices.

3. Kristy is making cupcakes for her 6 friends. If $\frac{2}{3}$ of her friends want chocolate. How many chocolate cupcakes will she make?

4 chocolate cupcakes

4. Ten students in Mr. Burke's class signed up to order lunch. $\frac{1}{5}$ of those students wanted hot lunch. How many students ordered hot lunch?

2 ordered hot lunch.

Name: _____ Date: _____

4.NF.5

Fractions with Denominators of 10 & 100

Directions: Find an equivalent fraction. Then find the sum.

$$\frac{3}{10} + \frac{30}{100}$$

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$\frac{5}{10} + \frac{40}{100}$$

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$\frac{6}{10} + \frac{20}{100}$$

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$\frac{4}{10} + \frac{50}{100}$$

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

Name: _____ Date: _____

4.NF.5

Fractions with Denominators of 10 & 100

Directions: Find an equivalent fraction. Then find the sum.

$$\frac{3}{10} + \frac{30}{100}$$

$$\frac{30}{100} + \frac{30}{100} = \frac{60}{100}$$

$$\frac{5}{10} + \frac{40}{100}$$

$$\frac{50}{100} + \frac{40}{100} = \frac{90}{100}$$

$$\frac{6}{10} + \frac{20}{100}$$

$$\frac{60}{100} + \frac{20}{100} = \frac{80}{100}$$

$$\frac{4}{10} + \frac{50}{100}$$

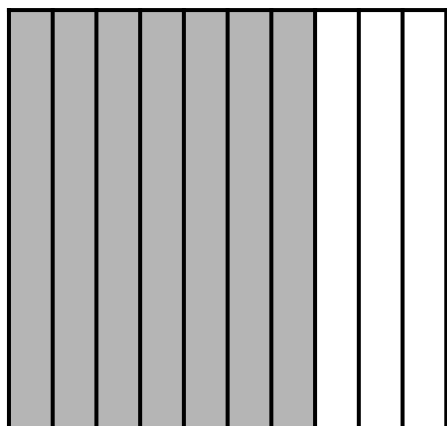
$$\frac{40}{100} + \frac{50}{100} = \frac{90}{100}$$

Name: _____ Date: _____

4.NF.6

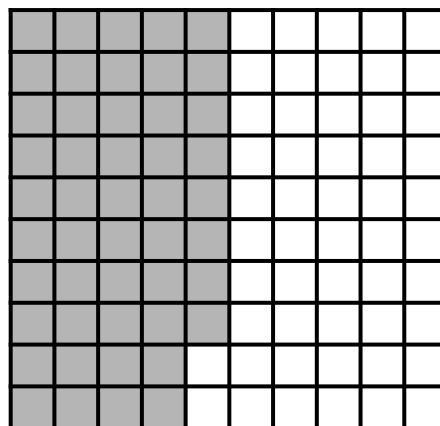
Relating Fractions and Decimals

Directions: Write each of the following as a fraction and as a decimal.



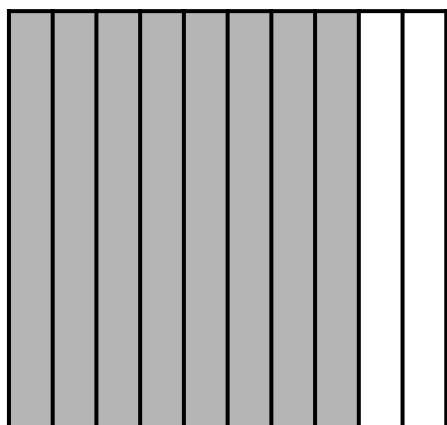
Fraction: _____

Decimal: _____



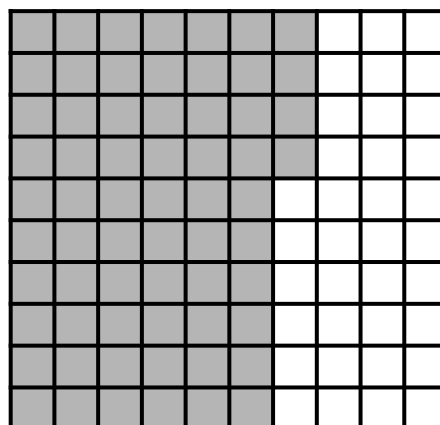
Fraction: _____

Decimal: _____



Fraction: _____

Decimal: _____



Fraction: _____

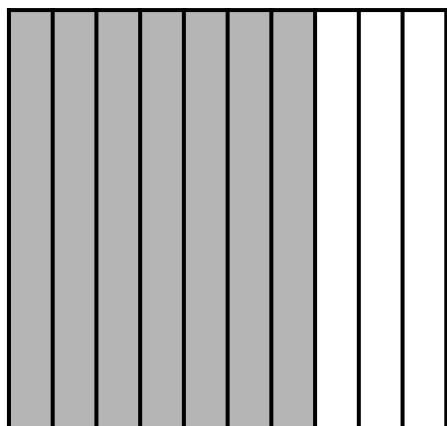
Decimal: _____

Name: Answer Key Date: _____

4.NF.6

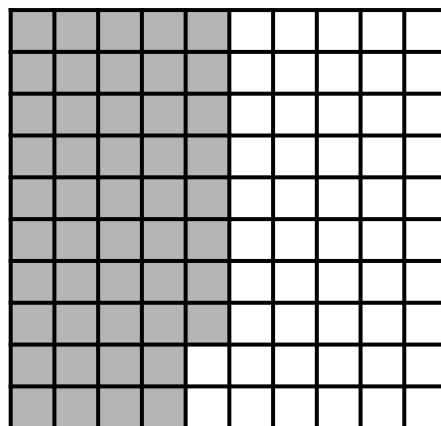
Relating Fractions and Decimals

Directions: Write each of the following as a fraction and as a decimal.



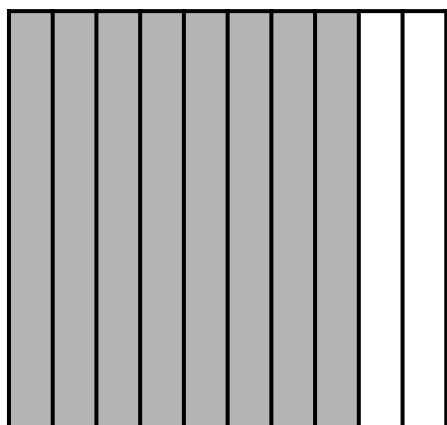
Fraction: $\frac{7}{10}$

Decimal: 0.7



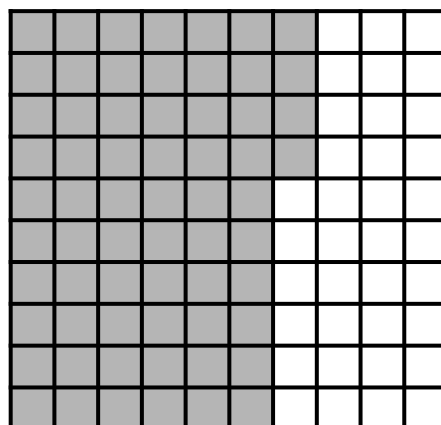
Fraction: $\frac{48}{100}$

Decimal: 0.48



Fraction: $\frac{8}{10}$

Decimal: 0.8



Fraction: $\frac{64}{100}$

Decimal: 0.64

Name: _____ Date: _____

4.NF.7

Comparing Decimals

Directions: Use $<$, $>$, or $=$ to compare.

0.4 ____ 0.35

0.06 ____ 0.6

0.24 ____ 0.42

0.21 ____ 0.12

0.3 ____ 0.33

0.1 ____ 0.11

0.8 ____ 0.80

0.79 ____ 0.8

0.09 ____ 0.9

0.55 ____ 0.6

0.27 ____ 0.72

0.05 ____ 0.5

Name: Answer Key Date: _____

4.NF.7

Comparing Decimals

Directions: Use $<$, $>$, or $=$ to compare.

$$0.4 \underline{>} 0.35$$

$$0.06 \underline{>} 0.6$$

$$0.24 \underline{<} 0.42$$

$$0.21 \underline{>} 0.12$$

$$0.3 \underline{<} 0.33$$

$$0.1 \underline{<} 0.11$$

$$0.8 \underline{=} 0.80$$

$$0.79 \underline{<} 0.8$$

$$0.09 \underline{<} 0.9$$

$$0.55 \underline{<} 0.6$$

$$0.27 \underline{<} 0.72$$

$$0.05 \underline{<} 0.5$$

Name: _____ Date: _____

4.MD.1

Relative Sizes of Measurement

Directions: Use the word bank below to help decide which unit of measure would be used in each situation.

minutes	hours	grams	kilograms
liters	milliliters	centimeters	kilometers

1. The amount of time it takes to brush your teeth. _____
2. The amount of soda in a can. _____
3. The length of a piece of paper. _____
4. The amount of time it takes to watch a movie. _____
5. The weight of an apple. _____
6. The amount of water in a bathtub. _____
7. The distance to the grocery store. _____
8. The weight of a pony. _____

Name: Answer Key Date: _____

4.MD.1

Relative Sizes of Measurement

Directions: Use the word bank below to help decide which unit of measure would be used in each situation.

minutes	hours	grams	kilograms
liters	milliliters	centimeters	kilometers

1. The amount of time it takes to brush your teeth. minutes
2. The amount of soda in a can. milliliters
3. The length of a piece of paper. centimeters
4. The amount of time it takes to watch a movie. hours
5. The weight of an apple. grams
6. The amount of water in a bathtub. liters
7. The distance to the grocery store. kilometers
8. The weight of a pony. kilograms

Name: _____ Date: _____

4.MD.1

Measurement Conversions

Directions: Complete each conversion chart.

1 cup	8 fl. ounces
3	
	36
11	

1 liter	1,000 milliliters
2	
	4,000
6	

1 pound	16 ounces
3	
4	
5	

1 kilogram	1,000 grams
3	
	5,000
7	

1 foot	12 inches
3	
6	
9	

1 meter	100 centimeters
5	
8	
10	

1 minute	60 seconds
	120
4	
5	

1 hour	60 minutes
2	
	360
8	

Name: Answer Key Date: _____

4.MD.1

Measurement Conversions

Directions: Complete each conversion chart.

1 cup	8 fl. ounces
3	24
9	36
11	44

1 liter	1,000 milliliters
2	2,000
4	4,000
6	6,000

1 pound	16 ounces
3	48
4	64
5	80

1 kilogram	1,000 grams
3	3,000
5	5,000
7	7,000

1 foot	12 inches
3	36
6	72
9	108

1 meter	100 centimeters
5	500
8	800
10	1,000

1 minute	60 seconds
2	120
4	240
5	300

1 hour	60 minutes
2	120
6	360
8	480

Name: _____ Date: _____

4.MD.2

Word Problems: Measurement

Directions: For each word problem, write an equation and/or draw a picture or model. Then solve.

1. Brandon is driving to visit a friend that lives 29.2 miles away. If he stops to get gas after 18.4 miles, how many miles will he have left to go?
2. Natalie has 2 hours to run her errands. She spends 45 minutes at the grocery store and 30 minutes getting her car washed. How much time does she have left to get lunch?
3. Bill's baseball bag weighs 4 pounds. If he takes out a pair of cleats that weigh 6 ounces, how much will his bag weigh?
4. Kimberly is making strawberry lemonade for her class. She mixes $2\frac{1}{2}$ liters of lemonade and $1\frac{1}{2}$ liters of strawberry juice. How many liters of strawberry lemonade will Kimberly have?

Name: Answer Key Date: _____

4.MD.2

Word Problems: Measurement

Directions: For each word problem, write an equation and/or draw a picture or model. Then solve.

1. Brandon is driving to visit a friend that lives 29.2 miles away. If he stops to get gas after 18.4 miles, how many miles will he have left to go?

10.8 miles

2. Natalie has 2 hours to run her errands. She spends 45 minutes at the grocery store and 30 minutes getting her car washed. How much time does she have left to get lunch?

45 minutes

3. Bill's baseball bag weighs 4 pounds. If he takes out a pair of cleats that weigh 6 ounces, how much will his bag weigh?

58 ounces or
3 pounds, 10 ounces

4. Kimberly is making strawberry lemonade for her class. She mixes $2\frac{1}{2}$ liters of lemonade and $1\frac{1}{2}$ liters of strawberry juice. How many liters of strawberry lemonade will Kimberly have?

4 liters

Name: _____ Date: _____

4.MD.3

Word Problems: Area & Perimeter

Directions: For each word problem, write an equation and draw a picture to solve.

Bella needs to buy a custom frame for her artwork. The length of the picture she painted is 12 inches and the width is 9 inches. How many square inches of glass will she need?

Picture:

Equation: _____

Solution: _____

The area of Caleb's garden is 120 square feet. If the length of his garden is 10 feet, what is the width of his garden?

Picture:

Equation: _____

Solution: _____

Julia is putting up a fence around her garden. How much fencing will she need if the length of the fence is 8 feet and the width is 12 feet?

Picture:

Equation: _____

Solution: _____

Steven bought a new rug for his bedroom. The perimeter of the rug is 30 feet and the length is 8 feet. What is the width of his new rug?

Picture:

Equation: _____

Solution: _____

Name: Answer Key

Date: _____

4.MD.3

Word Problems: Area & Perimeter

Directions: For each word problem, write an equation and draw a picture to solve.

Bella needs to buy a custom frame for her artwork. The length of the picture she painted is 12 inches and the width is 9 inches. How many square inches of glass will she need?

Picture:

Equation: $12 \times 9 = A$

Solution: 108 square inches

The area of Caleb's garden is 120 square feet. If the length of his garden is 10 feet, what is the width of his garden?

Picture:

Equation: $w \times 10 = 120$

Solution: 12 feet

Julia is putting up a fence around her garden. How much fencing will she need if the length of the fence is 8 feet and the width is 12 feet?

Picture:

Equation: $(8 + 12) \times 2 = P$

Solution: 40 feet

Steven bought a new rug for his bedroom. The perimeter of the rug is 30 feet and the length is 8 feet. What is the width of his new rug?

Picture:

Equation: $8 + 8 + 2w = 30$

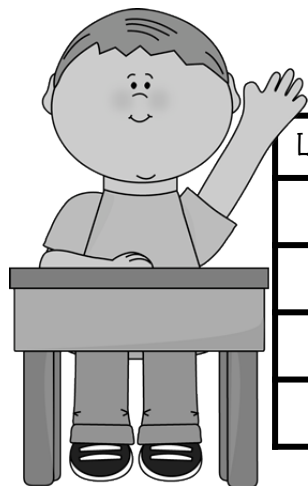
Solution: 7 inches

Name: _____ Date: _____

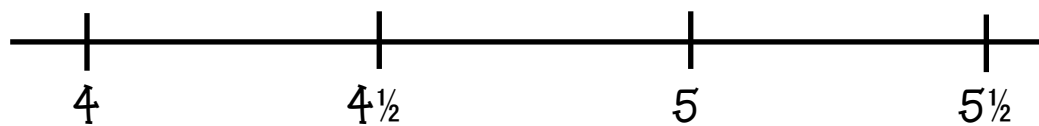
4.MD.4

Line Plots

The students in Mrs. Vogel's class measured the lengths of their hands to the nearest $\frac{1}{2}$ inch. Use the tally chart to complete the line plot. Then answer the questions that follow.



Length of Hands	Number of Students
4	
$4\frac{1}{2}$	
5	
$5\frac{1}{2}$	



Lengths of Students' Hands in Inches

What is the difference in the length of the longest hands and the shortest?

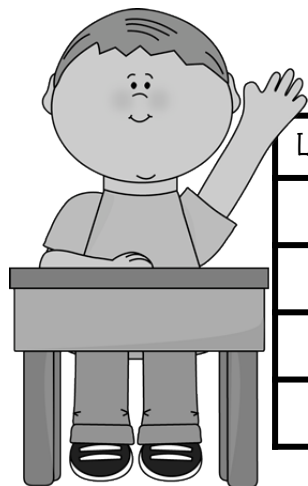
Mikey's hand is $4\frac{1}{2}$ inches long. How much shorter is his hand than the students with the longest hands?

Name: **Answer Key** Date: _____

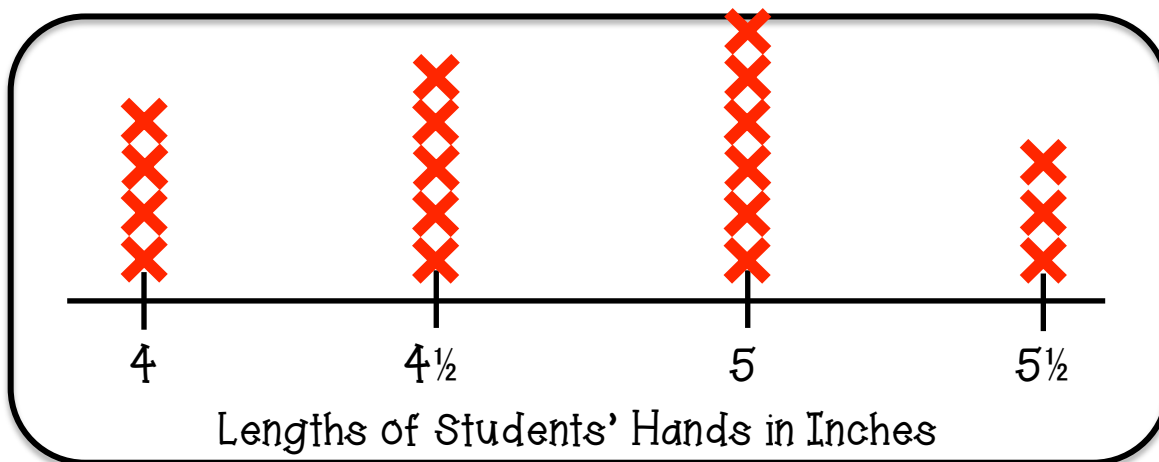
4.MD.4

Line Plots

The students in Mrs. Vogel's class measured the lengths of their hands to the nearest $\frac{1}{2}$ inch. Use the tally chart to complete the line plot. Then answer the questions that follow.



Length of Hands	Number of Students
4	
$4\frac{1}{2}$	
5	
$5\frac{1}{2}$	



What is the difference in the length of the longest hands and the shortest?

$1\frac{1}{2}$ inches

Mikey's hand is $4\frac{1}{2}$ inches long. How much shorter is his hand than the students with the longest hands?

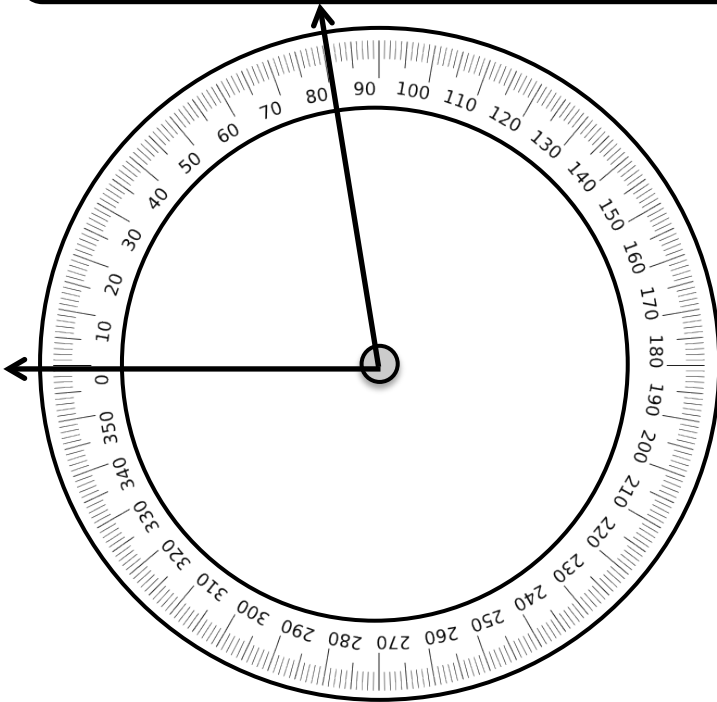
1 inch

Name: _____ Date: _____

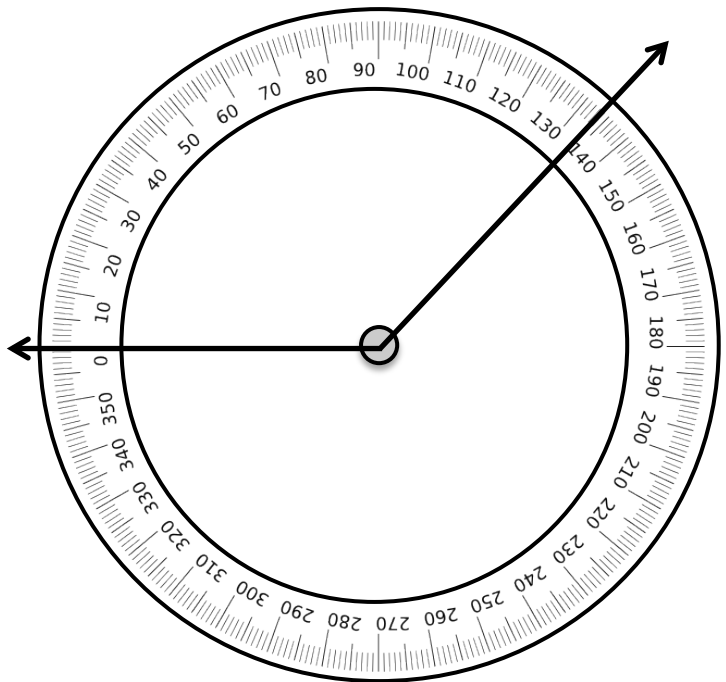
4.MD.5

Understanding Angles

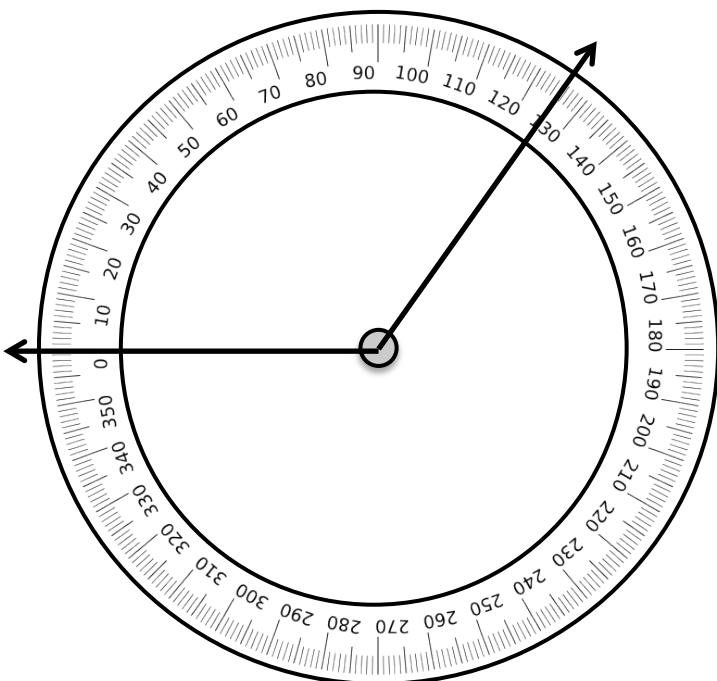
Directions: Find the measure of each angle.



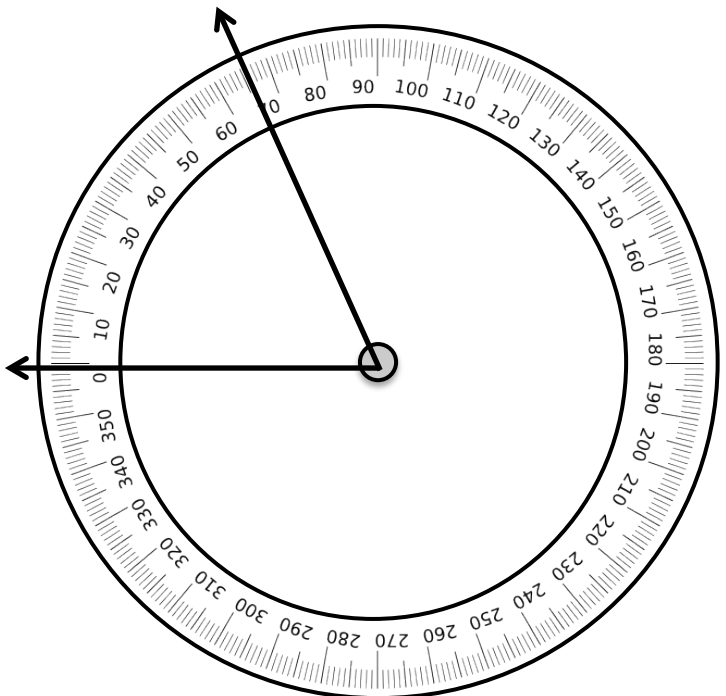
Angle Measure: _____



Angle Measure: _____



Angle Measure: _____



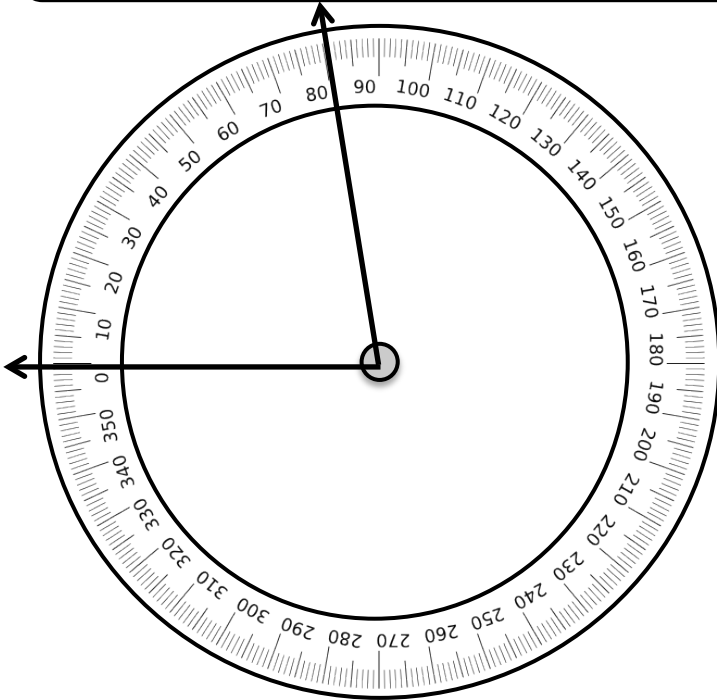
Angle Measure: _____

Name: Answer Key Date: _____

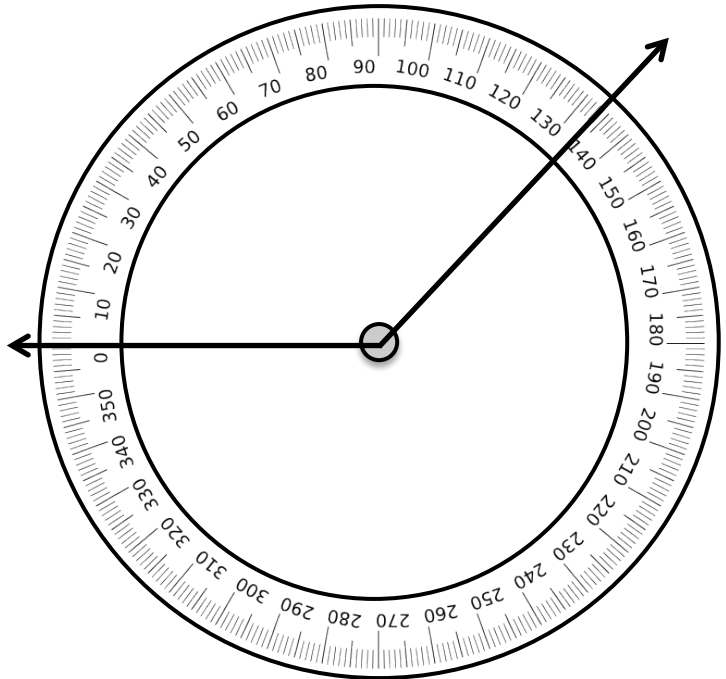
4.MD.5

Understanding Angles

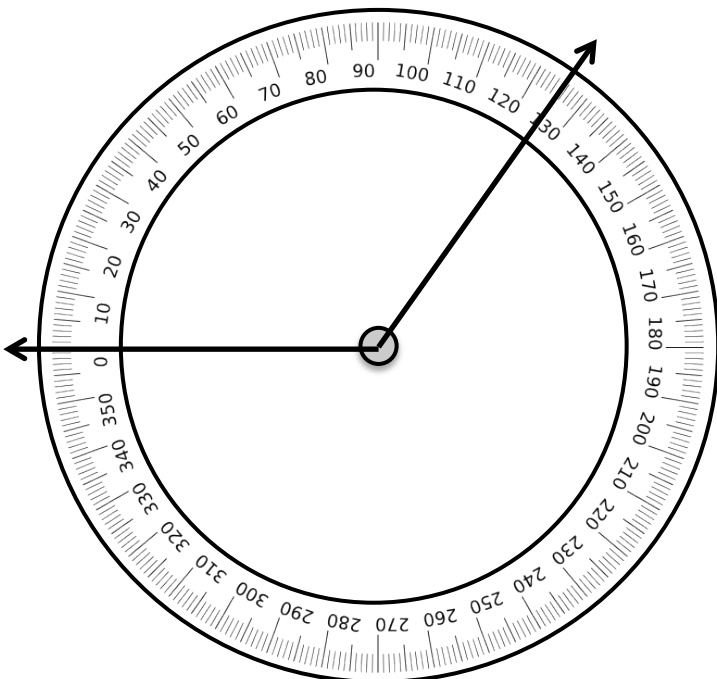
Directions: Find the measure of each angle.



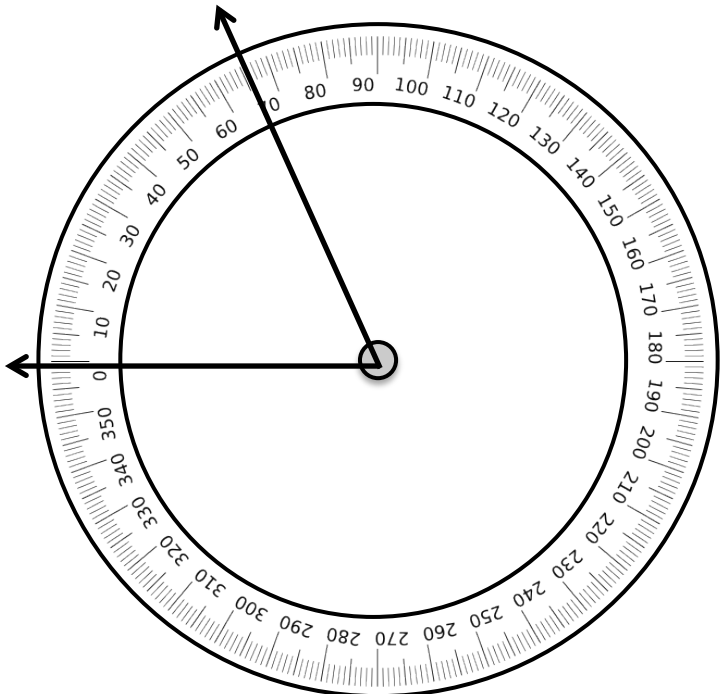
Angle Measure: 85°



Angle Measure: 135°



Angle Measure: 125°



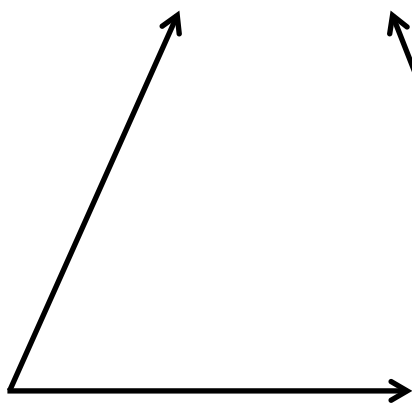
Angle Measure: 65°

Name: _____ Date: _____

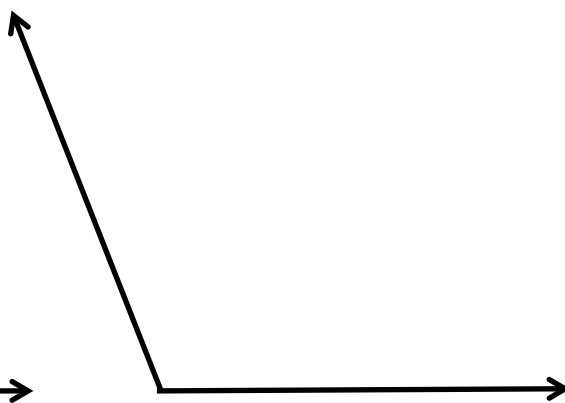
4.MD.6

Measuring & Sketching Angles

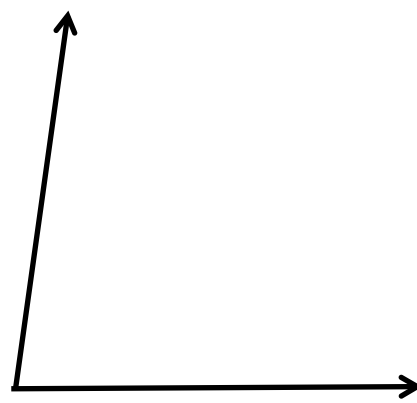
Directions: Use a protractor to find the measure of each angle.



Measure: ____



Measure: ____



Measure: ____

Directions: Use a protractor to sketch an angle for each measure given.

Measure: 55°

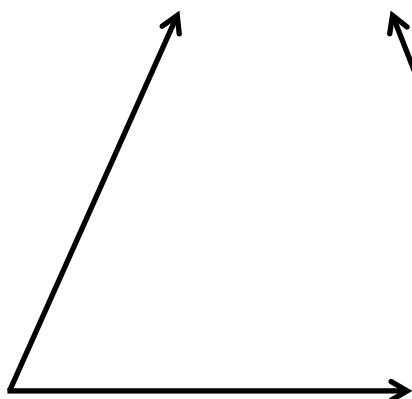
Measure: 130°

Name: Answer Key Date: _____

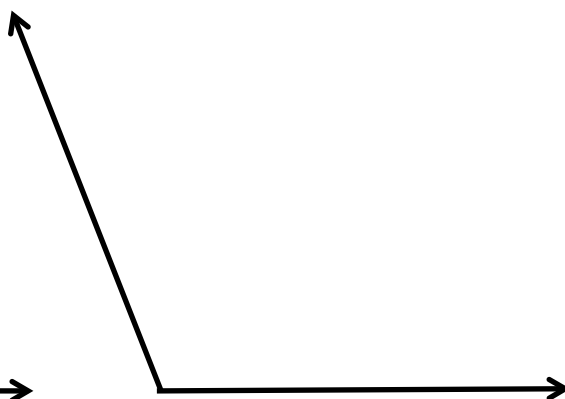
4.MD.6

Measuring & Sketching Angles

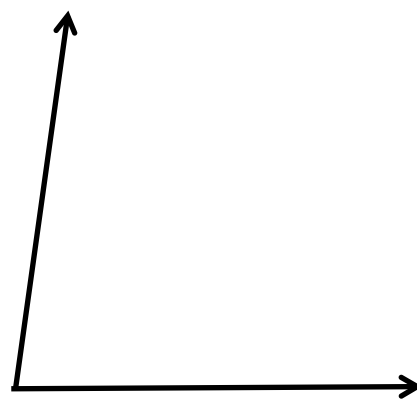
Directions: Use a protractor to find the measure of each angle.



Measure: 65°



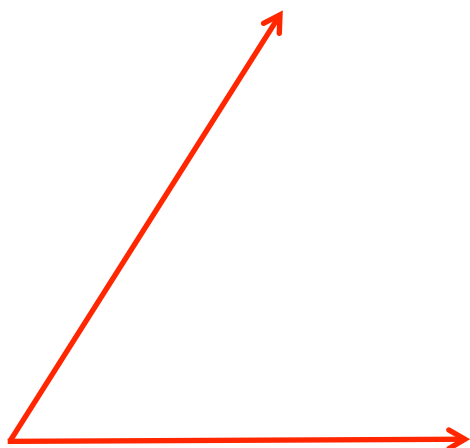
Measure: 110°



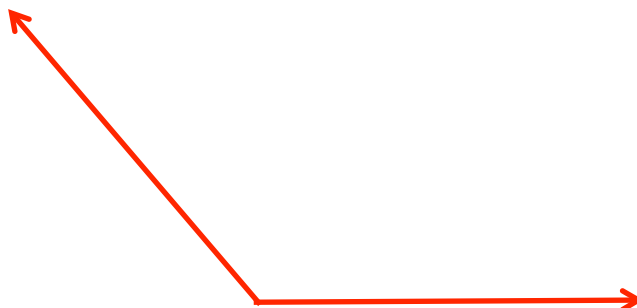
Measure: 80°

Directions: Use a protractor to sketch an angle for each measure given.

Measure: **55°**



Measure: **130°**

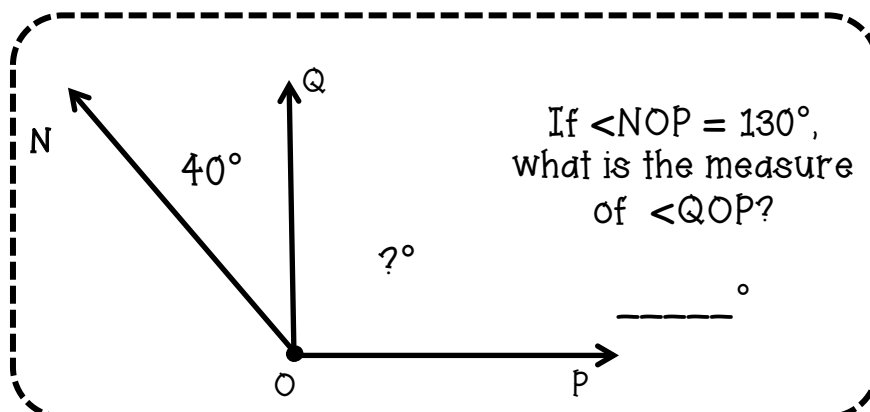
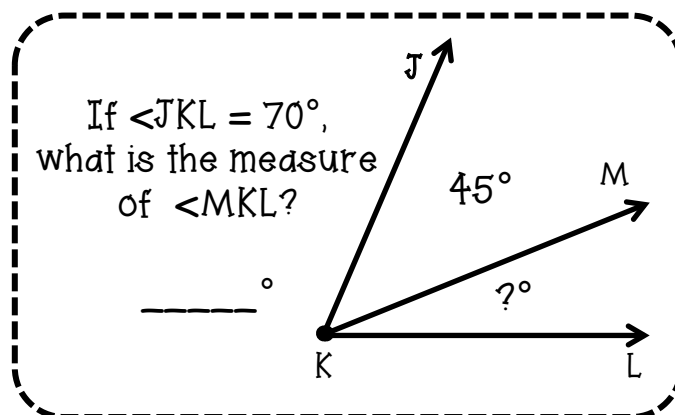
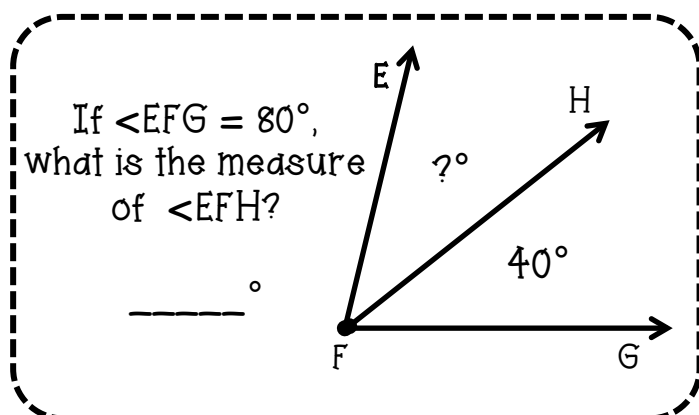
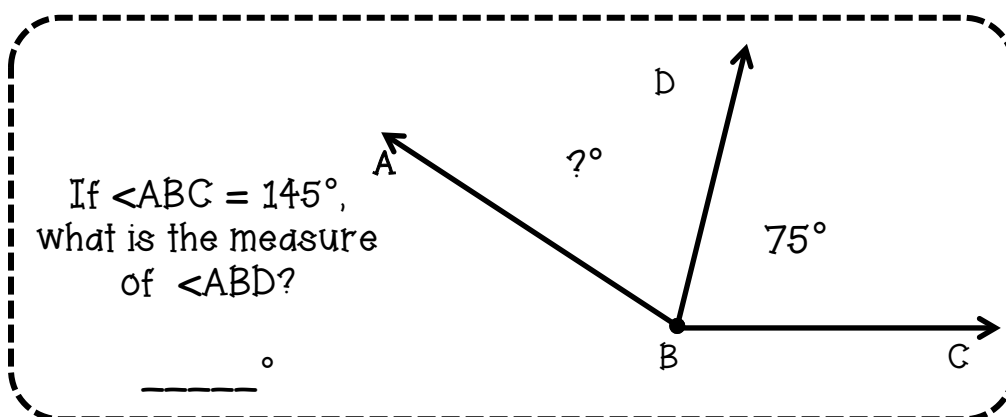


Name: _____ Date: _____

4.MD.7

Unknown Angles

Directions: Find the unknown angles.



Name: _____ Date: _____

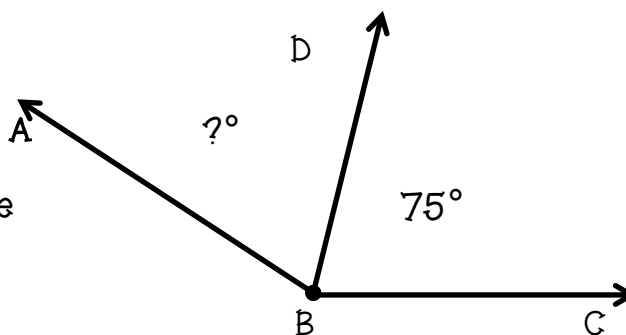
4.MD.7

Unknown Angles

Directions: Find the unknown angles.

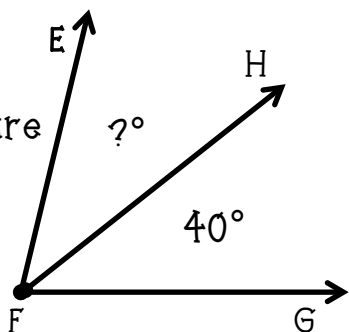
If $\angle ABC = 145^\circ$,
what is the measure
of $\angle ABD$?

70°



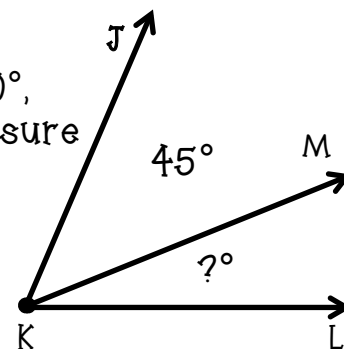
If $\angle EFG = 80^\circ$,
what is the measure
of $\angle EFH$?

40°



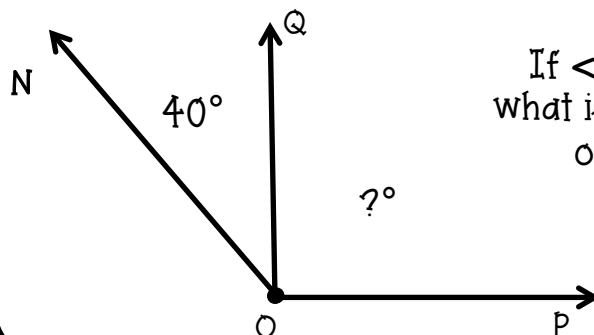
If $\angle JKL = 70^\circ$,
what is the measure
of $\angle MKL$?

25°



If $\angle NOP = 130^\circ$,
what is the measure
of $\angle QOP$?

90°



Name: _____ Date: _____

4.G.1

Points, Lines, Line Segments, and Rays

Directions: Identify and name each of the following.



Directions: Draw and label each of the following.

Point Z

Line GH

Line Segment CD

Ray XY

Name: Answer Key Date: _____

4.G.1

Points, Lines, Line Segments, and Rays

Directions: Identify and name each of the following.



Point D



Ray AB



Line VW



Line Segment JK

Directions: Draw and label each of the following.

Point Z



Line GH



Line Segment CD



Ray XY

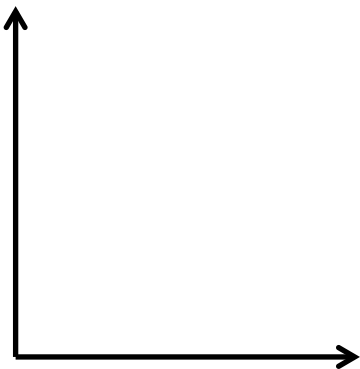


Name: _____ Date: _____

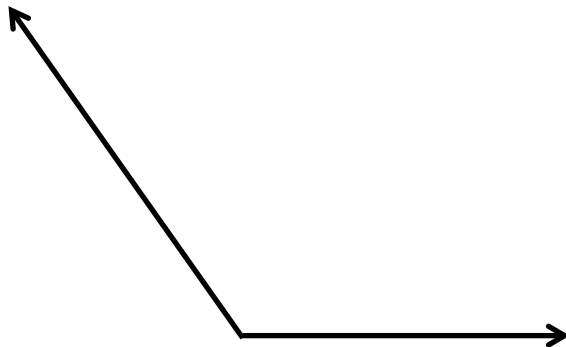
4.G.1

Angles

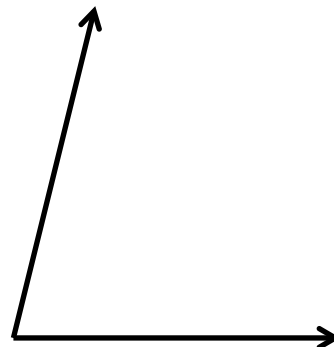
Directions: Identify the angle types. (acute, right, or obtuse?)



Angle Type:



Angle Type:



Angle Type:

Directions: Use a protractor to draw and label each type of angle.

Acute Angle:

Right Angle:

Obtuse Angle:

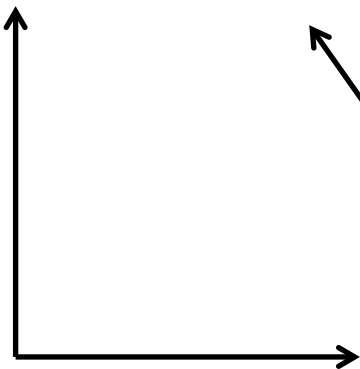
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Name: Answer Key Date: _____

4.G.1

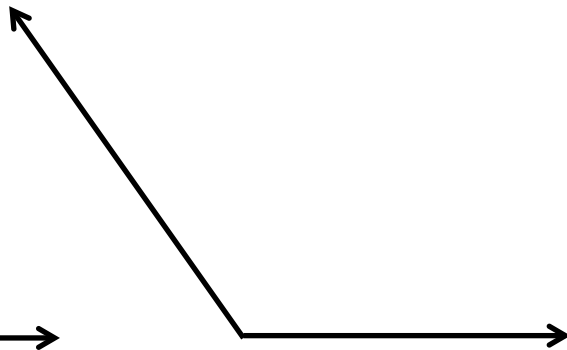
Angles

Directions: Identify the angles below. (acute, right, or obtuse?)



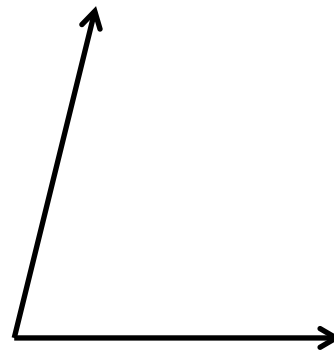
Angle Type:

Right Angle



Angle Type:

Obtuse Angle

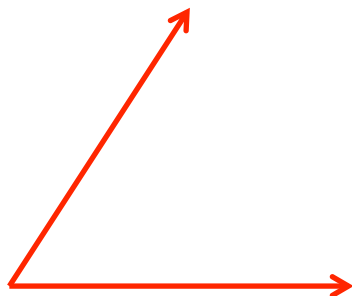


Angle Type:

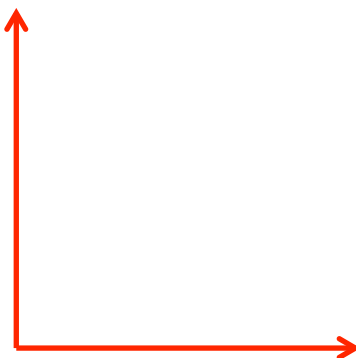
Acute Angle

Directions: Use a protractor to draw and label each type of angle.

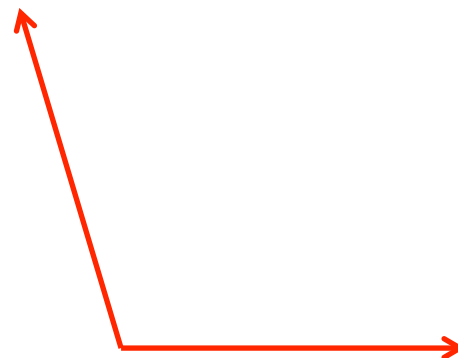
Acute Angle:



Right Angle:



Obtuse Angle:

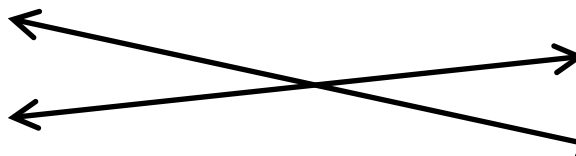
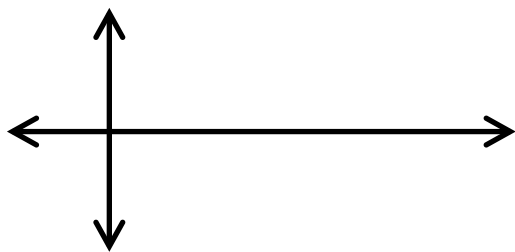


Name: _____ Date: _____

4.G.1

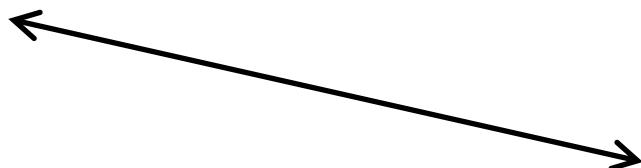
Perpendicular & Parallel Lines

Directions: Identify whether each pair of lines is parallel, perpendicular, or neither.



Directions: For each line, add another to make the lines parallel or perpendicular.

Parallel Lines:



Perpendicular Lines:

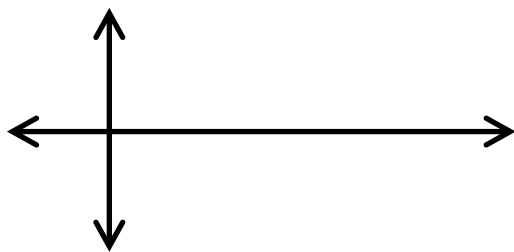


Name: Answer Key Date: _____

4.G.1

Perpendicular & Parallel Lines

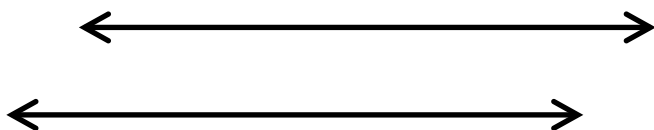
Directions: Identify whether each pair of lines is parallel, perpendicular, or neither.



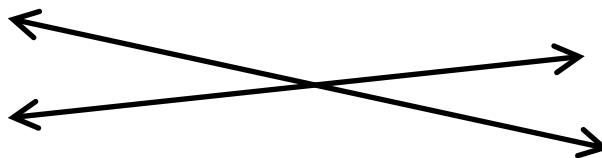
Perpendicular



Neither



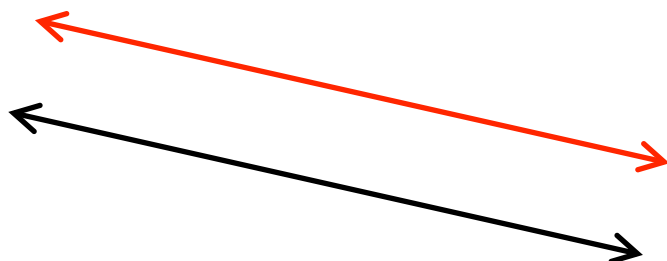
Parallel



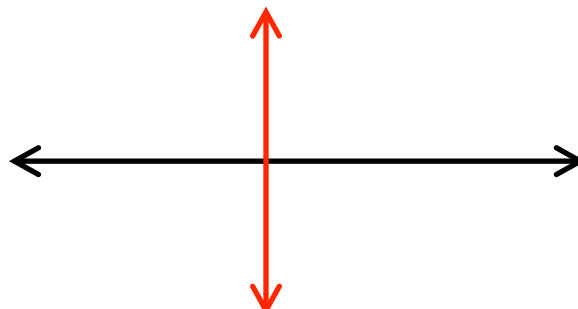
Neither

Directions: For each line, add another to make the lines parallel or perpendicular.

Parallel Lines:



Perpendicular Lines:

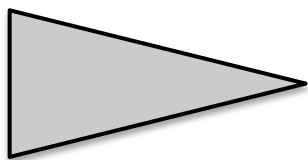


Name: _____ Date: _____

4.G.2

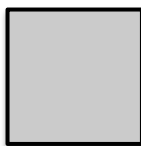
Quadrilaterals & Triangles

Directions: Name and describe each shape.



Name: _____

Description: _____



Name: _____

Description: _____



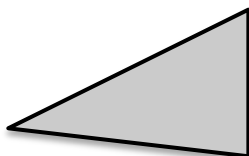
Name: _____

Description: _____



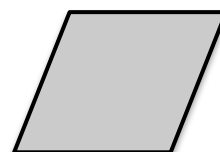
Name: _____

Description: _____



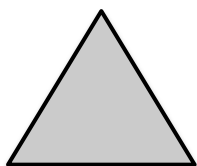
Name: _____

Description: _____



Name: _____

Description: _____



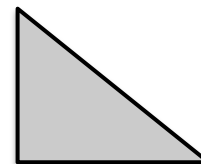
Name: _____

Description: _____



Name: _____

Description: _____



Name: _____

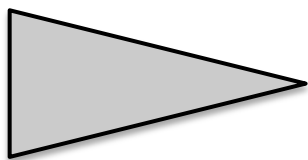
Description: _____

Name: Answer Key Date: _____

4.G.2

Quadrilaterals & Triangles

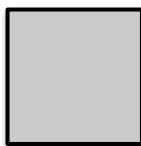
Directions: Name a describe each shape.



Name: Isosceles

Description: _____

2 congruent sides



Name: Square

Description: _____

Congruent sides,

4 right angles, 2 sets
of parallel sides.



Name: Trapezoid

Description: _____

1 set of parallel sides

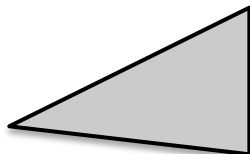


Name: Rectangle

Description: _____

2 sets of parallel sides

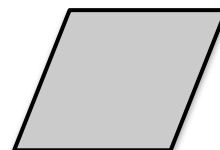
4 right angles



Name: Scalene

Description: _____

All lengths are different

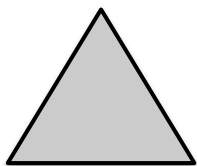


Name: Rhombus

Description: _____

2 sets of parallel sides,

congruent sides



Name: Equilateral

Description: _____

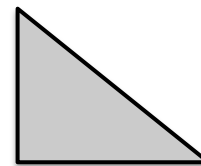
All congruent sides



Name: Parallelogram

Description: _____

2 sets of parallel sides



Name: Right

Description: _____

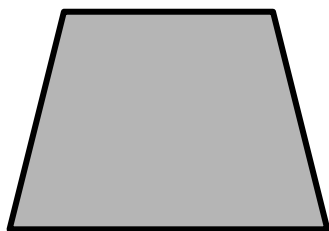
1 right angle

Name: _____ Date: _____

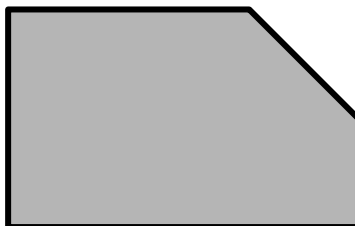
4.G.3

Lines of Symmetry

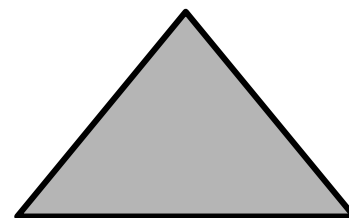
Directions: Decide whether each shape is line-symmetric. If so, draw all the lines of symmetry for each.



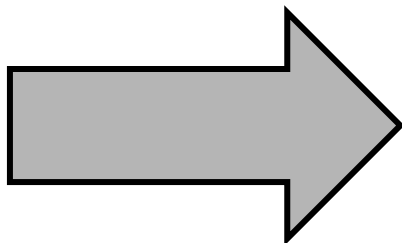
Line Symmetric? _____



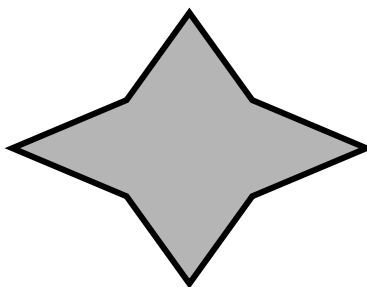
Line Symmetric? _____



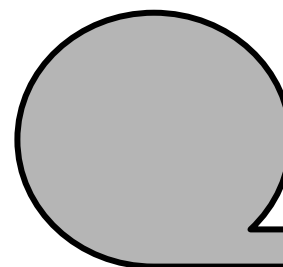
Line Symmetric? _____



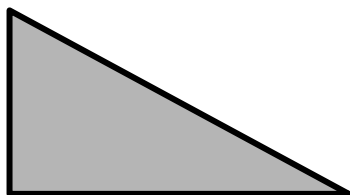
Line Symmetric? _____



Line Symmetric? _____



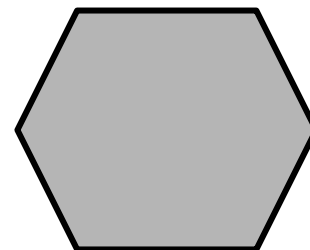
Line Symmetric? _____



Line Symmetric? _____



Line Symmetric? _____



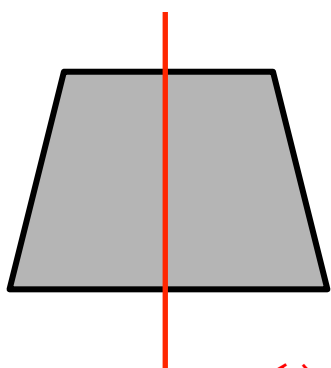
Line Symmetric? _____

Name: Answer Key Date: _____

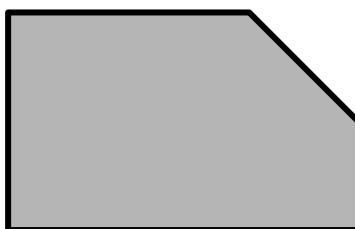
4.G.3

Lines of Symmetry

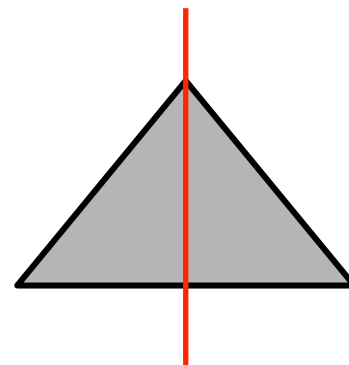
Directions: Decide whether each shape is line-symmetric. If so, draw all lines of symmetry.



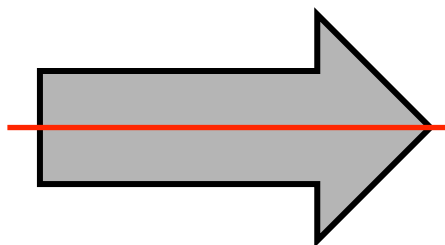
Line Symmetric? Yes



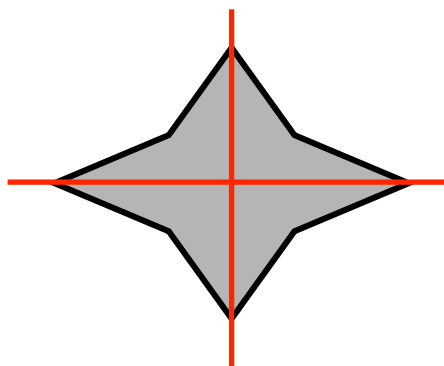
Line Symmetric? No



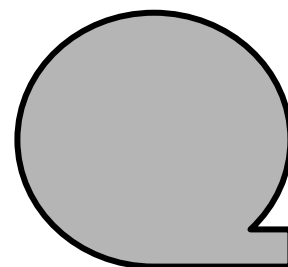
Line Symmetric? Yes



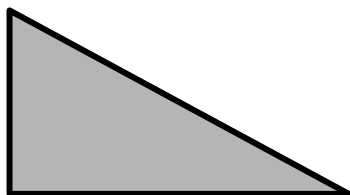
Line Symmetric? Yes



Line Symmetric? Yes



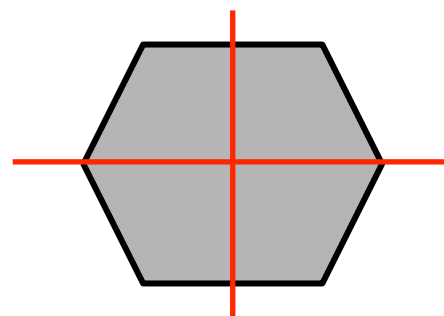
Line Symmetric? No



Line Symmetric? No



Line Symmetric? No



Line Symmetric? Yes

Thank you so much for purchasing this product.
If you have any questions or comments,
please feel free to email me!

rjyoung23@gmail.com

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