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THE LEADER in STEM EDUCATION

Independent Skills Practice

3-5 Sample

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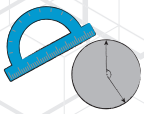
SAMPLE; GR3-5;AUG2024

Contents

GRADE 3

Equivalent Fractions



GRADE 4

Angles

GRADE 5

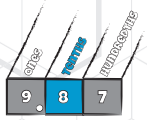
Add and Subtract Decimals

GRADE 5

Compare Decimals

GRADE 5

Place Value and Rounding Decimals



Name: _____ Date: _____

SKILL A

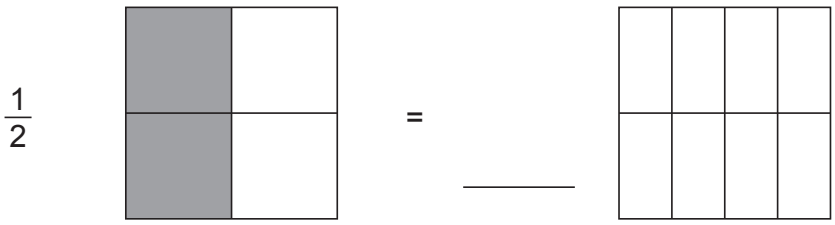
I can identify equivalent fractions with manipulatives, drawings, and number lines.

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

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 The fraction model shows two different ways to represent $\frac{1}{2}$.



Shade and label the second model. Then complete the equation showing the equivalent ratios represented.

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

Guiding Tips

Use these if you need help.

- Equivalent fractions have different numerators and denominators but share the same value.
- Numerators and denominators of equivalent fractions are multiplied by the same number.

Video Tutorial

A video about how to solve

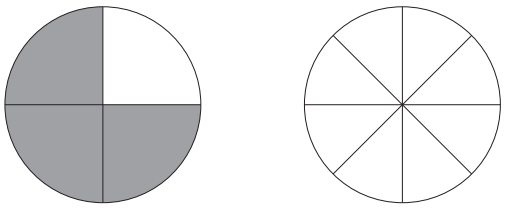
$\frac{3}{6} = \frac{1}{2}$ I can identify equivalent fractions with manipulatives, drawings, and number lines.

Independent Practice

Solve the following questions.

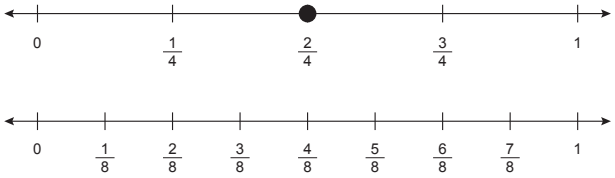
2 Plot the location of $\frac{1}{3}$ on each number line. Which fraction represented on the second number line is equivalent to $\frac{1}{3}$?

3 Represent a pair of equivalent fractions by shading the second fraction model. Name the set of equivalent fractions.



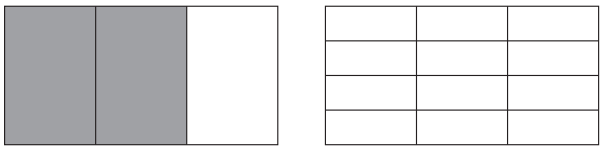
_____ = _____

4 The dot on the first number line represents $\frac{2}{4}$. Identify and plot an equivalent fraction on the second number line. Complete the comparison statement.



_____ = _____

5 Represent a pair of equivalent fractions by shading the second fraction model. Name the set of equivalent fractions.



_____ = _____

6 Which two letters show fractions that are equivalent to $\frac{3}{6}$?

A $\frac{4}{8}$

B $\frac{1}{3}$

C $\frac{3}{4}$

D $\frac{6}{12}$

Name: _____ Date: _____

SKILL
B

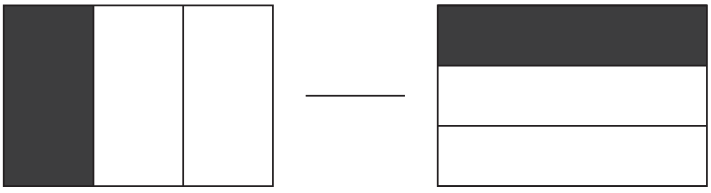
I can explain why two fractions are equivalent.

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

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Write *equal* or *not equal* between the two fraction models. Explain your reasoning.



Guiding Tips

Use these if you need help.

- Equivalent fractions have different numerators and denominators but share the same value.
- Numerators and denominators of equivalent fractions are multiplied by the same number.

Video Tutorial

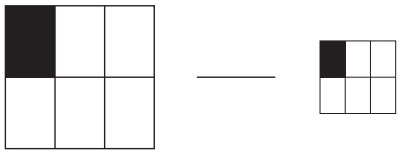
A video about how to solve

$\frac{3}{6} = \frac{1}{2}$ I can explain why two fractions are equivalent.

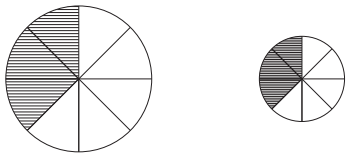
Independent Practice

Solve the following questions.

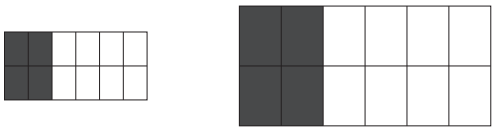
2 Write *equal* or *not equal* between the two fraction models. Explain your reasoning.



3 Sarah ate $\frac{3}{8}$ of a large cookie. Carlos ate $\frac{3}{8}$ of a small cookie. Did they eat the same amount? Explain your reasoning.

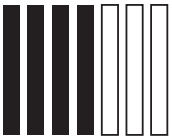


4 April ate $\frac{4}{12}$ of a medium pan of brownies. Jessica ate $\frac{4}{12}$ of a large pan of brownies. Did they eat the same amount? Explain your reasoning.

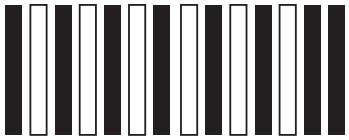


5 Judy blew out 4 of the 7 candles on her birthday cake. Tommy blew out 8 of the 14 candles on his birthday cake. Did they blow out the same fraction of candles? Explain your reasoning.

Judy's Candles

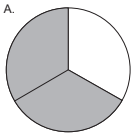


Tommy's Candles

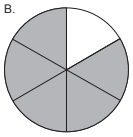


6 Which two models represent equivalent fractions? Explain your reasoning.

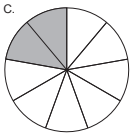
A.



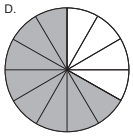
B.



C.



D.



Name: _____ Date: _____

SKILL
C

I can use visual models to explore equivalent fractions.

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

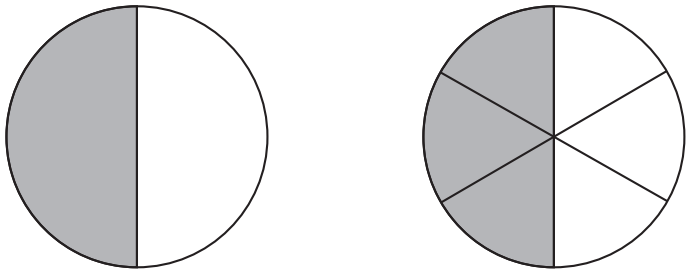
Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Label the equivalent fraction model to make the number sentence true.

Models:

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



Guiding Tips

Use these if you need help.

- Equivalent fractions have different numerators and denominators but share the same value.
- Numerators and denominators of equivalent fractions are multiplied by the same number.

Video Tutorial

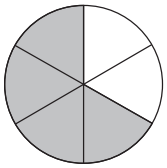
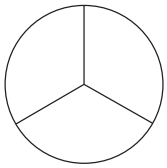
A video about how to solve

$\frac{3}{6} = \frac{1}{2}$ I can use visual models to explore equivalent fractions.

Independent Practice

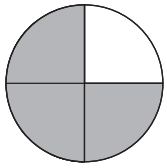
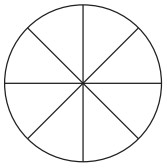
Solve the following questions.

2 Shade the second fraction model to form a fraction equivalent to $\frac{4}{6}$. What fraction is formed?

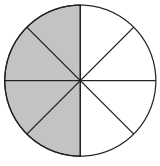
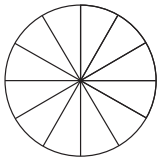
$\frac{4}{6}$   ____

3 Shade the second fraction model to form an equivalent fraction. What fraction is formed?

Models: $\frac{3}{4}$ = ____

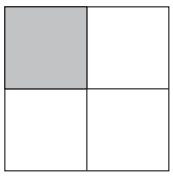
 

4 Shade the second fraction model to form an equivalent fraction. What fraction is formed?

$\frac{4}{8}$   ____

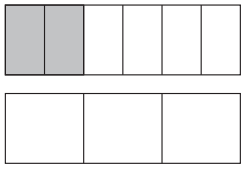
5 Draw a visual model to represent a fraction equivalent to $\frac{1}{4}$.

Models: $\frac{1}{4}$ = ____



6 Shade the second fraction model to form an equivalent fraction. What fraction is formed?

Models: $\frac{2}{6}$ = ____



Name: _____ Date: _____

SKILL
D

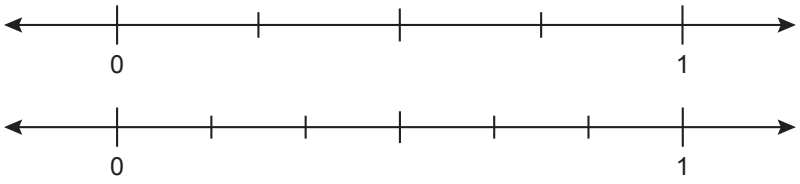
I can locate two equivalent fractions at the same point on a number line.

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

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Plot the location of $\frac{2}{4}$ on each number line. Which fraction represented on the second number line is equivalent to $\frac{2}{4}$?



Guiding Tips

Use these if you need help.

- Equivalent fractions have different numerators and denominators but share the same value.
- When fractions are at the same point on a number line, they are equivalent.

Video Tutorial

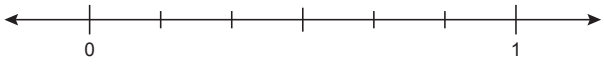
A video about how to solve

$\frac{3}{6} = \frac{1}{2}$ I can locate two equivalent fractions at the same point on a number line.

Independent Practice

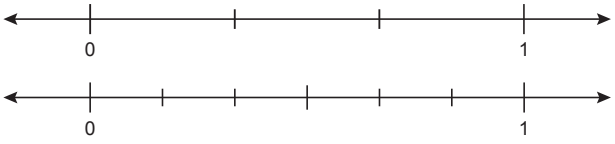
Solve the following questions.

2 Plot and label the location of a fraction that is equivalent to $\frac{1}{3}$.

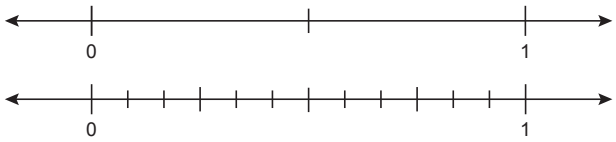


3 Partition the number line with more tick marks between the ones shown. Label an equivalent fraction below the fraction shown.

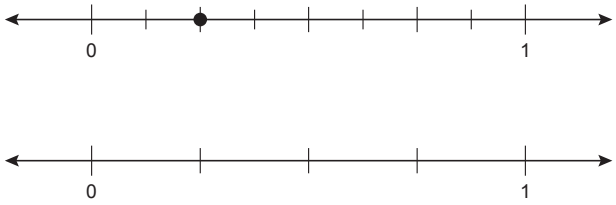
4 Use the first number line to plot $\frac{2}{3}$. Use the second number line to plot a fraction that is equivalent to $\frac{2}{3}$. Reference the number lines to justify your reasoning.



5 Use the first number line to plot $\frac{1}{2}$. Use the second number line to plot a fraction that is equivalent to $\frac{1}{2}$. Reference the number lines to justify your reasoning.



6 The fraction $\frac{2}{8}$ is plotted on the first number line. Use the second number line to locate, plot, and name a fraction that is equivalent to $\frac{2}{8}$.



$\frac{2}{8} = ?$

Name: _____ Date: _____

SKILL
E

I can use visual models to explore equivalent fractions.

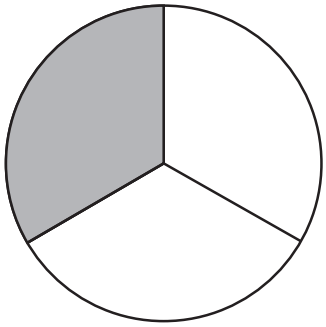
$\frac{3}{6} = \frac{1}{2}$

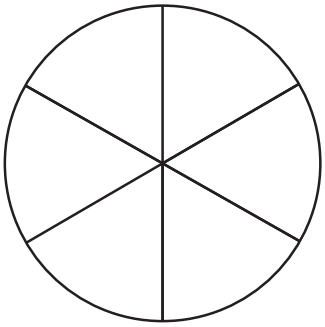
Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Name an equivalent fraction of $\frac{1}{3}$, and shade the second model to represent it.

$\frac{1}{3}$ = _____





Guiding Tips

Use these if you need help.

- Equivalent fractions have different numerators and denominators but share the same value.
- Equivalent fraction models are visual models that use the same-sized shapes and have the same-sized areas shaded.
- There can be many equivalent fractions for the same fraction.

Video Tutorial

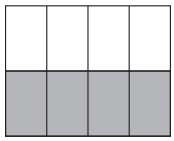
A video about how to solve

$\frac{3}{6} = \frac{1}{2}$ I can use visual models to explore equivalent fractions.

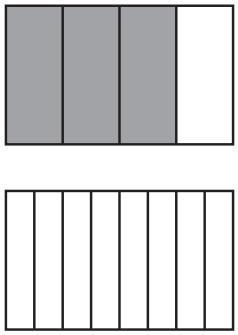
Independent Practice

Solve the following questions.

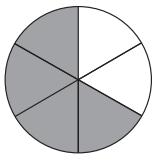
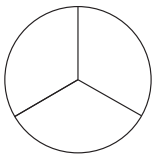
2 Name an equivalent fraction of $\frac{4}{8}$, and shade the second model to represent it.

$\frac{4}{8}$   _____

3 Name an equivalent fraction of $\frac{3}{4}$, and shade the second model to represent it.

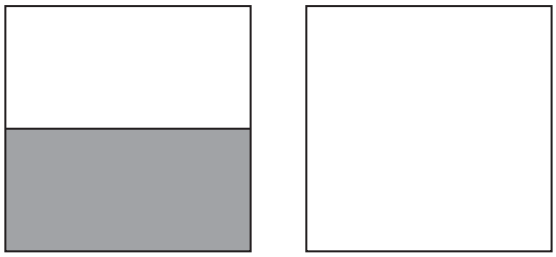
$\frac{3}{4}$ = _____ 

4 Name an equivalent fraction of $\frac{4}{6}$, and shade the second model to represent it.

$\frac{4}{6}$   _____

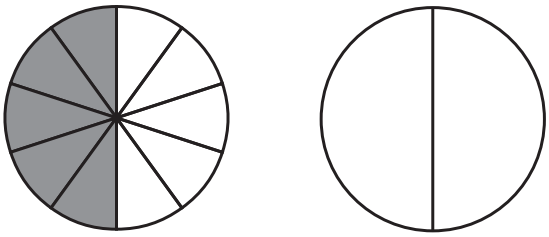
5 Name an equivalent fraction of $\frac{1}{2}$, and shade the second model to represent it.

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



6 Name an equivalent fraction of $\frac{5}{10}$, and shade the second model to represent it.

$\frac{5}{10}$ = _____



Name: _____ Date: _____

SKILL F

I can locate two equivalent fractions at the same point on a number line.

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

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Use the first number line to plot $\frac{3}{4}$, use the second number line to plot a fraction that is equivalent to $\frac{3}{4}$, and then complete the statement.

The fraction $\frac{3}{4}$ is equivalent to _____.

Guiding Tips

Use these if you need help.

- Equivalent fractions have different numerators and denominators but share the same value.
- When fractions are at the same point on a number line, they are equivalent.

Video Tutorial

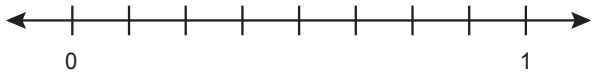
A video about how to solve

$\frac{3}{6} = \frac{1}{2}$ I can locate two equivalent fractions at the same point on a number line.

Independent Practice

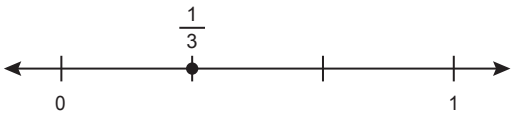
Solve the following questions.

2 Use the number line to plot $\frac{1}{2}$, and finish the equation with two fractions that are equivalent to $\frac{1}{2}$.

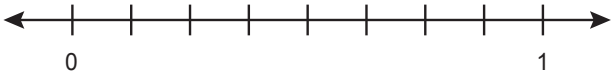


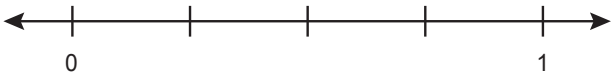
$\frac{1}{2} = ? = ?$

3 Partition the number line by adding one tick mark between each increment shown. Use the number line to locate and label a fraction that is equivalent to $\frac{1}{3}$.



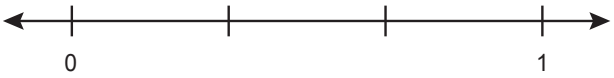
4 Use the first number line to plot $\frac{1}{4}$, use the second number line to plot a fraction that is equivalent to $\frac{1}{4}$, and then complete the statement.

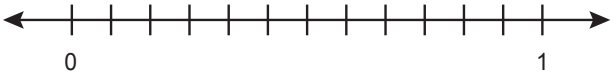




The fraction $\frac{1}{4}$ is equivalent to _____.

5 Use the first number line to plot $\frac{2}{3}$, use the second number line to plot a fraction that is equivalent to $\frac{2}{3}$, and then complete the statement.





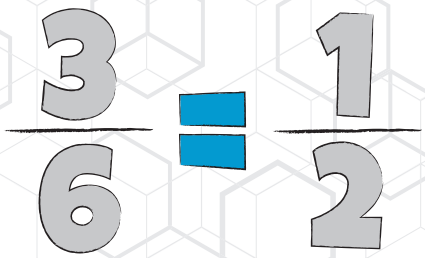
The fraction $\frac{2}{3}$ is equivalent to _____.

6 The fraction $\frac{1}{2}$ is plotted on the number line. Write a fraction that is equivalent to $\frac{1}{2}$, and explain your reasoning in relation to the number line.

Name: _____ Date: _____

SKILL
G

I can represent fractions with objects, models, and number lines.

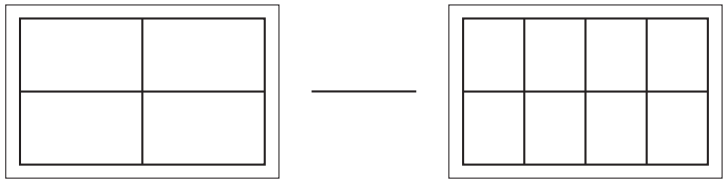


Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Shade the first model to represent $\frac{3}{4}$. Then shade and label the second model to represent an equivalent fraction to $\frac{3}{4}$.

$\frac{3}{4}$ =



Guiding Tips

Use these if you need help.

- Equivalent fractions have different numerators and denominators but share the same value.
- When fractions are at the same point on a number line, they are equivalent.

Video Tutorial

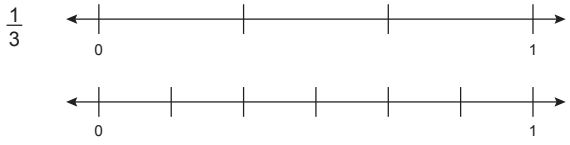
A video about how to solve

$\frac{3}{6} = \frac{1}{2}$ I can represent fractions with objects, models, and number lines.

Independent Practice

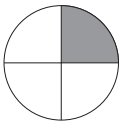
Solve the following questions.

2 Plot the location of $\frac{1}{3}$ on each number line. Which fraction represented on the second number line is equivalent to $\frac{1}{3}$?

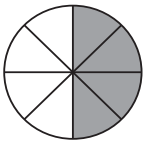


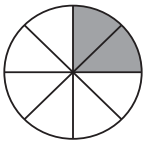
$\frac{1}{3} = ?$

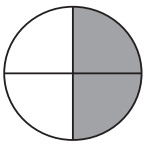
3 Scott drew a fraction model as shown.



Which model represents a fraction that is equivalent to the one Scott drew? Explain your reasoning.

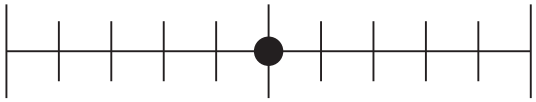
A. 

B. 

C. 

D. None of the above

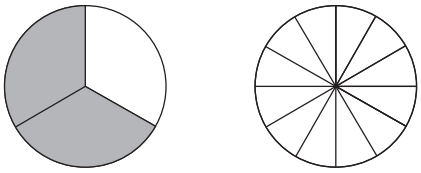
4 The location of the fraction $\frac{1}{2}$ is plotted on the number line. Identify the fraction that is equivalent to $\frac{1}{2}$ in relation to the number of increments used on the number line. Which fraction is equivalent to $\frac{1}{2}$?



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

5 Shade the second model to represent a fraction that is equivalent to $\frac{2}{3}$, and label the fraction.

$\frac{2}{3}$ = _____



6 Shade the first model to represent $\frac{2}{4}$. Then shade and label the second model to represent an equivalent fraction to $\frac{2}{4}$.

$\frac{2}{4}$ =  ____

Name: _____ Date: _____

SKILL H

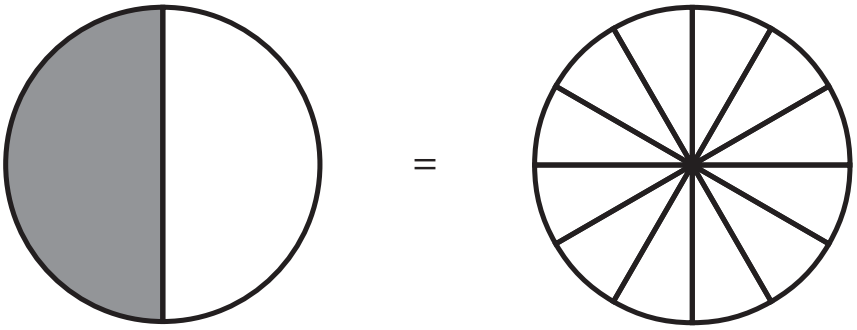
I can decompose a shape into parts with equal areas.

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

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 The first model represents $\frac{1}{2}$. Shade the second model to represent a fraction that is equivalent to $\frac{1}{2}$, and complete the equation.



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

Guiding Tips

Use these if you need help.

- Equivalent fractions have different numerators and denominators but share the same value.
- Numerators and denominators of equivalent fractions are multiplied by the same number.

Video Tutorial

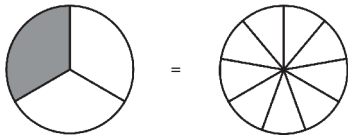
A video about how to solve

$\frac{3}{6} = \frac{1}{2}$ I can decompose a shape into parts with equal areas.

Independent Practice

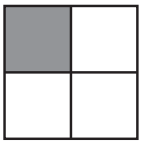
Solve the following questions.

2 The first model represents $\frac{1}{3}$. Shade the second model to represent a fraction that is equivalent to $\frac{1}{3}$, and complete the equation.



$\frac{1}{3} = ?$

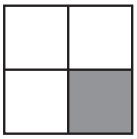
3 Thomas drew a fraction model as shown.



Which model represents a fraction that is **not** equivalent to the one Thomas drew? Explain your reasoning.

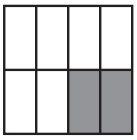
A.

B.

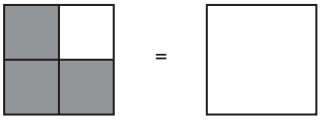


C.

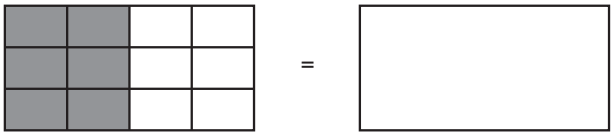
D.



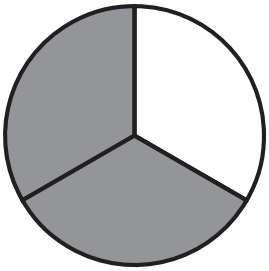
4 The first model represents $\frac{3}{4}$. Partition and shade the second model to form an equivalent fraction.



5 The first model represents $\frac{6}{12}$. Partition and shade the second model to form an equivalent fraction.



6 Emily drew a fraction model as shown.

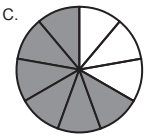


Which model represents a fraction that is **not** equivalent to the one Emily drew? Explain your reasoning.

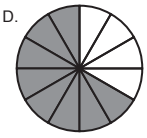
A.

B.

C.



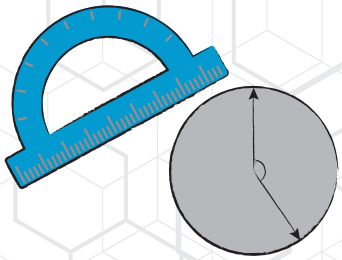
D.



Name: _____ Date: _____

SKILL A

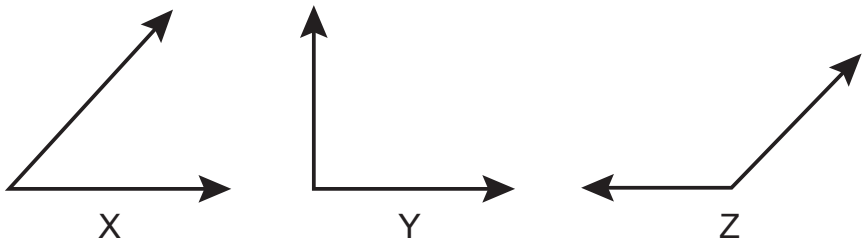
I can identify and classify angles as acute, right, obtuse, straight, or reflex.



Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Classify each angle as right, acute, or obtuse.



∠ X is _____.

∠ Y is _____.

∠ Z is _____.

Guiding Tips

Use these if you need help.

- A right angle is 90°, an obtuse angle is greater than 90°, and an acute angle is less than 90°.
- A reflex angle is greater than 180° but less than 360°.

Video Tutorial

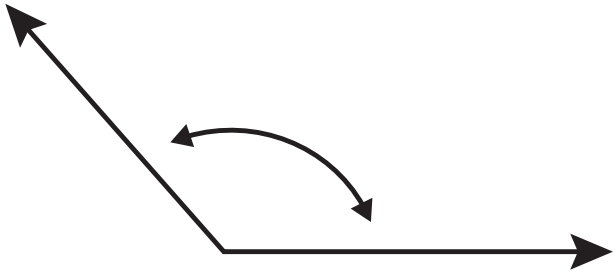
A video about how to solve

I can identify and classify angles as acute, right, obtuse, straight, or reflex.

Independent Practice

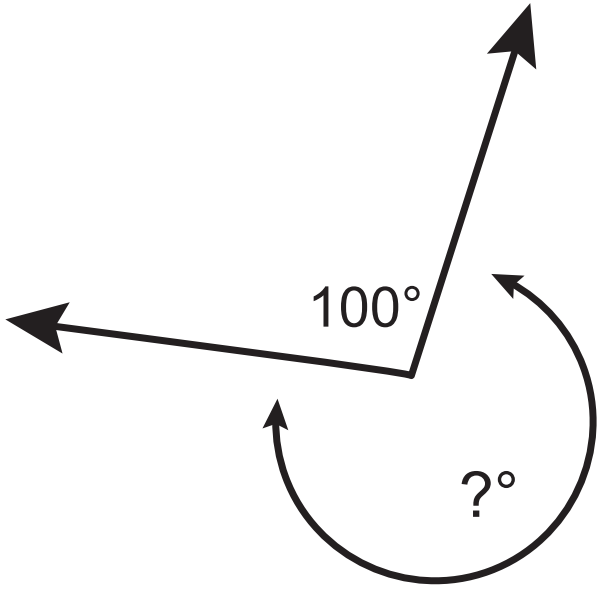
Solve the following questions.

2 An angle is marked with an arrow.

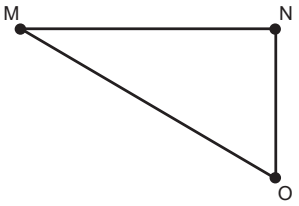


Classify the angle as right, acute, obtuse, or reflex.

3 Classify the unknown angle as right, acute, obtuse, or reflex.



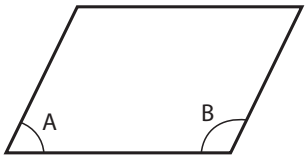
4 A right triangle is shown.



Use an X to classify each angle in the triangle.

Angle	Right	Acute	Obtuse
∠*MNO*			
∠*NOM*			
∠*OMN*			

5 A parallelogram is shown.

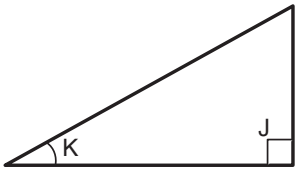


Classify each angle as right, acute, or obtuse:

∠*A* is _____.

∠*B* is _____.

6 A right triangle is shown.



Classify each angle as right, acute, or obtuse.

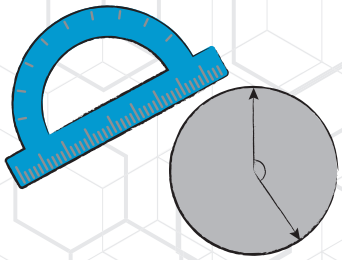
∠*K* is _____.

∠*J* is _____.

Name: _____ Date: _____

SKILL
B

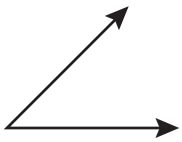
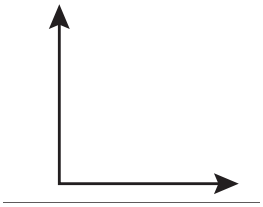
I can estimate angle measures using benchmark angles.



Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Estimate each angle measure and explain your reasoning.

Angle	Estimated Measure	Reasoning
		
		

Guiding Tips

Use these if you need help.

- Does the angle look like the corner of a square? If so, it could be a right angle.
- An angle that is 45° is half the width of a right angle.

Video Tutorial

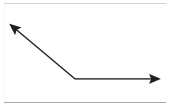
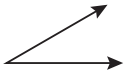
A video about how to solve

I can estimate angle measures using benchmark angles.

Independent Practice

Solve the following questions.

2 Estimate each angle measure and explain your reasoning.

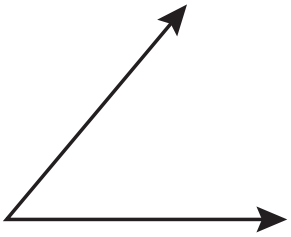
Angle	Estimated Measure	Reasoning
		
		

3 Estimate the measure of ∠ABC. Classify the angle as straight, right, acute, or obtuse.

Estimate:_____

What type of angle is this? _____

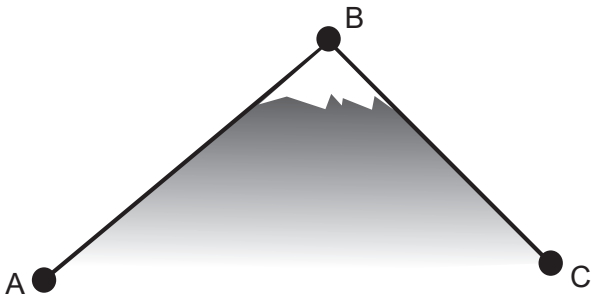
4 Sarah and Abby's teacher drew the angle below.



Sarah thinks the angle's measure is about 50°, but Abby thinks it's about 110°. With whom do you agree? Explain your reasoning.

5 Explain how a benchmark angle can be used to estimate an angle's size.

6 A mountain forms the angle shown.

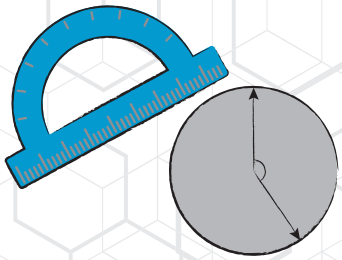


Estimate the angle measure and classify it as right, acute, or obtuse.

Name: _____ Date: _____

SKILL C

I can measure an angle in reference to a circle with the center at the common endpoint of two rays.



Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1. An angle represents $\frac{1}{2}$ of a circle. Fill in the missing information:

Model	
Angle Name	
Angle Measure	
Fraction of a Circle	$\frac{1}{2}$

Guiding Tips

Use these if you need help.

- Question 1 Guiding Tips
- A circle measures 360°, and half a circle measures 180°.
- The model is a drawing showing half of a circle.
- Think of a circle like a pie sliced into equal parts.

Video Tutorial

A video about how to solve

I can measure an angle in reference to a circle with the center at the common endpoint of two rays.

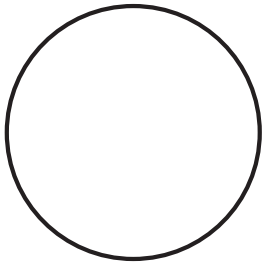
Independent Practice

Solve the following questions.

2 Fill in the missing information:

Model	
Angle Name	
Angle Measure	90°
Fraction of a Circle	

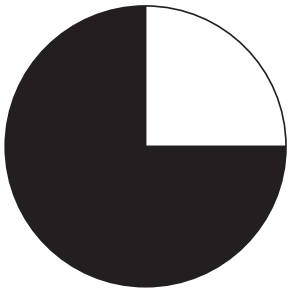
3 Fill in the missing information:

Model	
Angle Name	
Angle Measure	
Fraction of a Circle	

4 Nolan jumped in a complete circle. Which statements describe his jump? Select all that apply.

A. Nolan jumped 360°.
B. Nolan covered $\frac{1}{2}$ of a circle.
C. Nolan is facing the same direction that he started in.
D. Nolan covered $\frac{4}{4}$ of a circle.

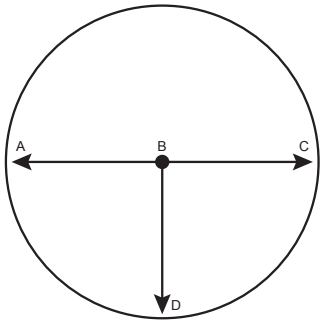
5 Look at the shaded part of the circle.



A. What fraction of the circle is represented?

B. What is the degree of measurement?

6 $\angle ABD$ and $\angle CBD$ share the same measure.

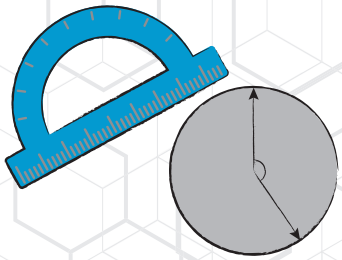


What is the measure of ∠ABD? Explain your reasoning.

Name: _____ Date: _____

SKILL D

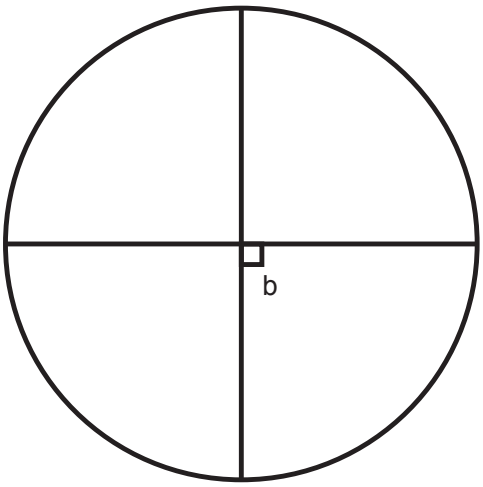
I can determine an angle's measurement in relation to the 360 degrees in a circle through division or a missing-factor problem.



Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 A circle is shown.



What is the measure of $\angle b$? Explain your reasoning.

Guiding Tips

Use these if you need help.

- Question 1 Guiding Tips
- A circle measures 360°.
- What fraction of the circle does $\angle b$ represent?

Video Tutorial

A video about how to solve

I can determine an angle's measurement in relation to the 360 degrees in a circle through division or a missing-factor problem.

Independent Practice

Solve the following questions.

2 The equation represents an angle measure. Model the angle using a circle and determine the angle measure.

Equation	Model	Angle Measure
$360 \div 4 = a$		

3 The equation represents an angle measure. Model the angle using a circle and determine the angle measure.

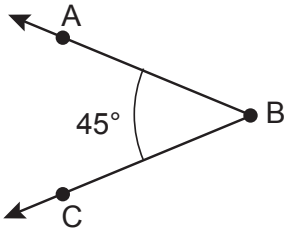
Equation	Model	Angle Measure
$6 \times a = 360°$		

4 The equation represents an angle measure. Model the angle using a circle and determine the angle measure.

Equation	Model	Angle Measure
$360 \div 8 = a$		

5 At Lucus's birthday party, his grandpa cut a round cake into twelve equal slices. Write and solve an equation to represent *c,* the angle measure of each slice of cake.

6 The angle represents a slice of a circular pizza.

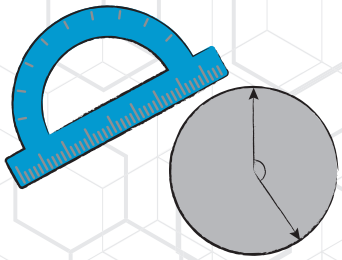


Each slice of pizza is the same size. Write and solve an equation to represent *n,* the number of slices in the whole pizza.

Name: _____ Date: _____

SKILL E

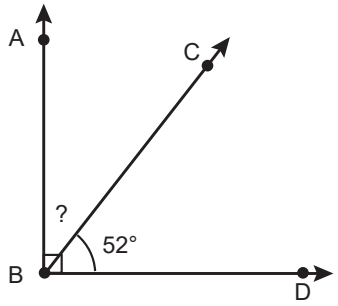
I can solve problems involving unknown angles by examining a diagram and then adding or subtracting to find the unknown.



Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 A pair of complementary angles is shown.



What is the measure of $\angle CBD$? Explain your reasoning.

Guiding Tips

Use these if you need help.

- Complementary angles sum to 90°.
- Subtract the known angle from 90 to find the unknown angle.

Video Tutorial

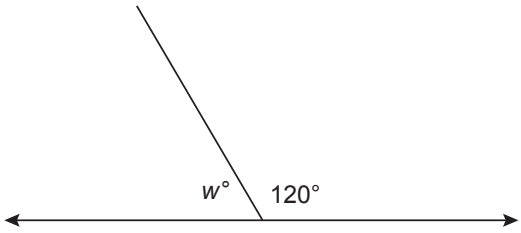
A video about how to solve

I can solve problems involving unknown angles by examining a diagram and then adding or subtracting to find the unknown.

Independent Practice

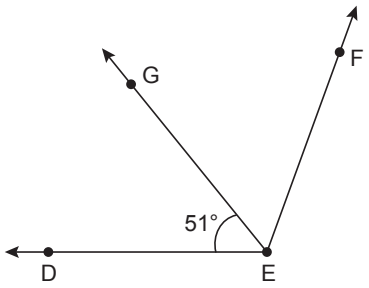
Solve the following questions.

2 A pair of supplementary angles is shown.



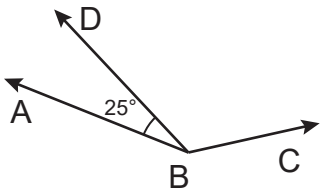
What is the measure of $\angle w$? Explain your reasoning.

3 $\angle DEF$ measures 110°.



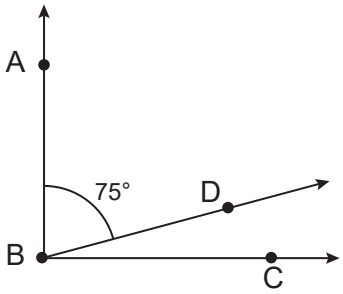
What is the measure of $\angle GEF$? Explain your reasoning.

4 $\angle ABC$ measures 155°.



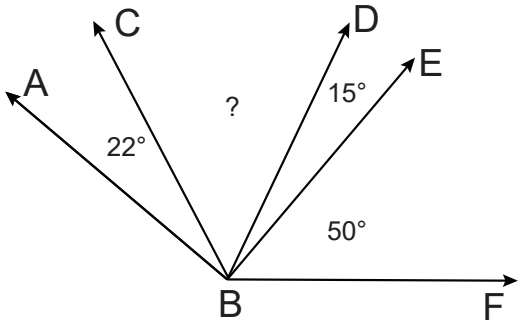
What is the measure of $\angle DBC$?

5 A pair of complementary angles is shown.



What is the measure of $\angle DBC$?

6 $\angle ABF$ measures 140°.

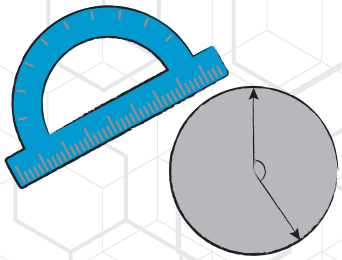


What is the measure of $\angle DBC$?

Name: _____ Date: _____

SKILL F

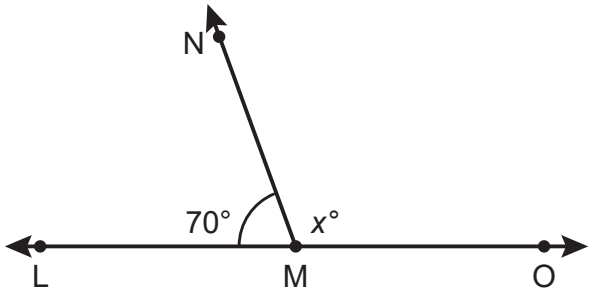
I can analyze a real-world mathematical situation and create an equation using a symbol for the unknown angle measure.



Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 A pair of supplementary angles is shown.



Write an equation represent the measure of $\angle x$.

Guiding Tips

Use these if you need help.

- Supplementary angles sum to 180°.
- Subtract the known angle from 180 to find the unknown angle.

Video Tutorial

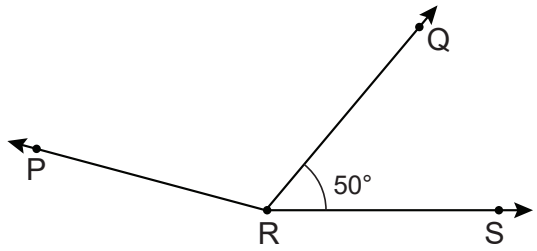
A video about how to solve

I can analyze a real-world mathematical situation and create an equation using a symbol for the unknown angle measure.

Independent Practice

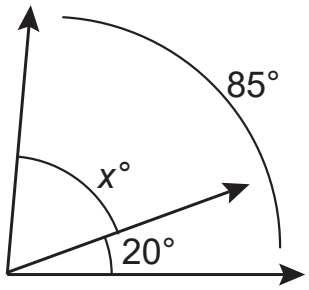
Solve the following questions.

2 $\angle PRS$ measrues 165° .



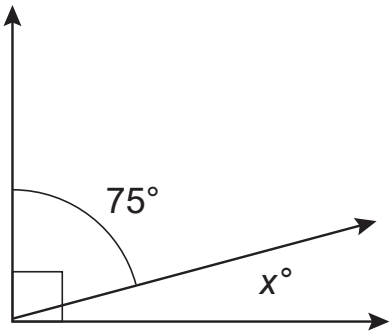
Write an equation to represent the measure *a,* the adjacent angle.

3 A pair of adjacent angles is shown.



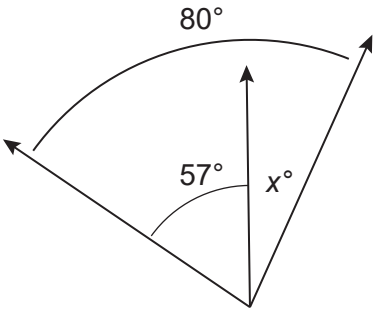
Write an equation to represent the measure of $\angle x$.

4 A pair of complementary angles is shown.



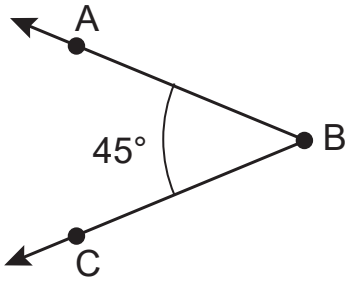
Write an equation representing the measure of $\angle x$.

5 A pair of adjacent angles is shown.



Write an equation to represent the measure of $\angle x$.

6 The angle represents a slice of circular pizza.

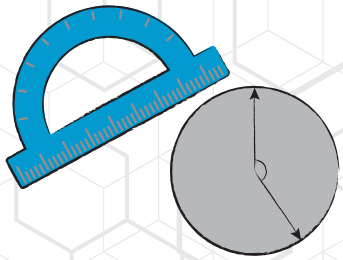


Each slice of pizza is the same size. Write an equation to represent *n,* the number of slices in the whole pizza.

Name: _____ Date: _____

SKILL
G

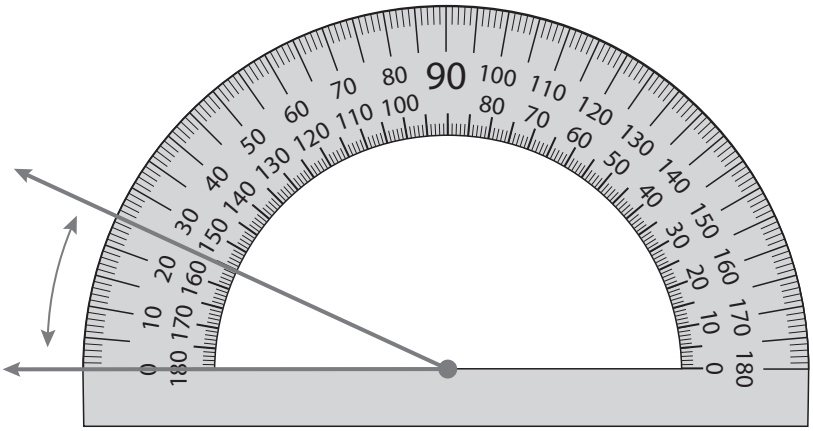
I can measure angles.



Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 What is the measure of the angle shown?



Guiding Tips

Use these if you need help.

- Estimate the angle size; is it right, acute, or obtuse?
- The lower ray is facing zero. Follow the upper ray to the edge of the protractor, and choose the measurement that corresponds to the estimated angle size.

Video Tutorial

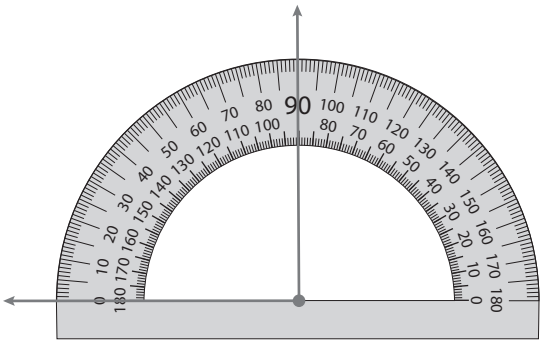
A video about how to solve

I can measure angles.

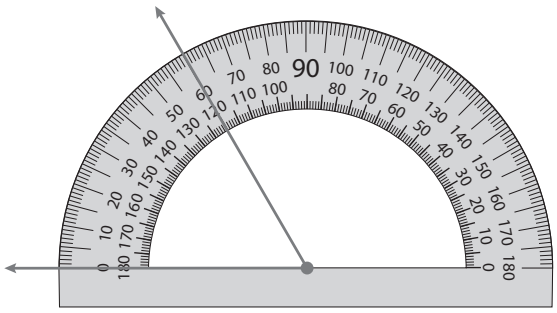
Independent Practice

Solve the following questions.

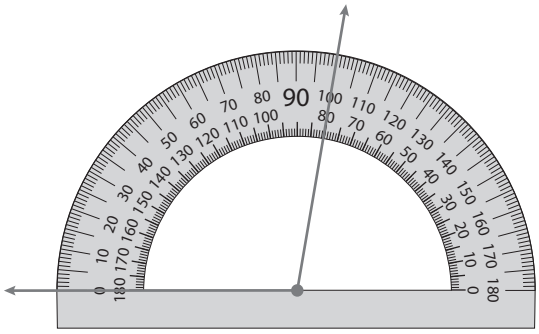
2 What is the measure of the angle shown?



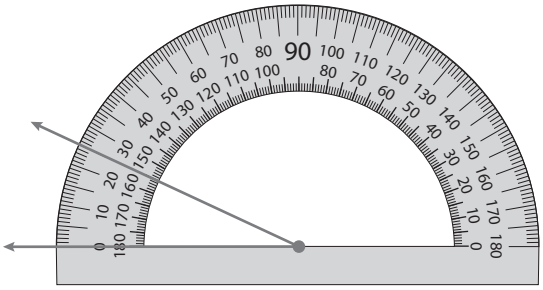
3 What is the measure of the angle shown?



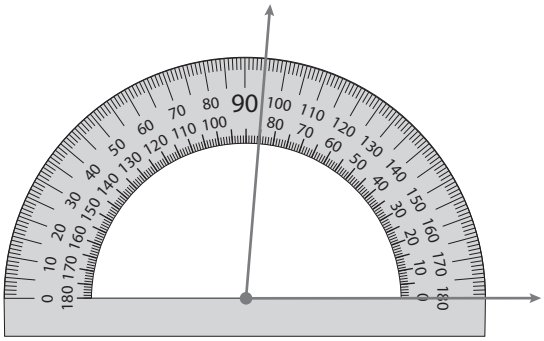
4 What is the measure of the angle shown?



5 What is the measure of the angle shown?



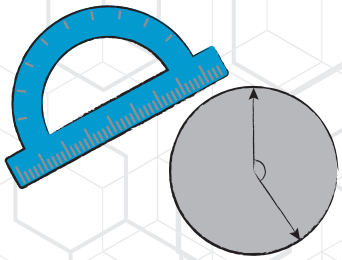
6 What is the measure of the angle shown?



Name: _____ Date: _____

SKILL H

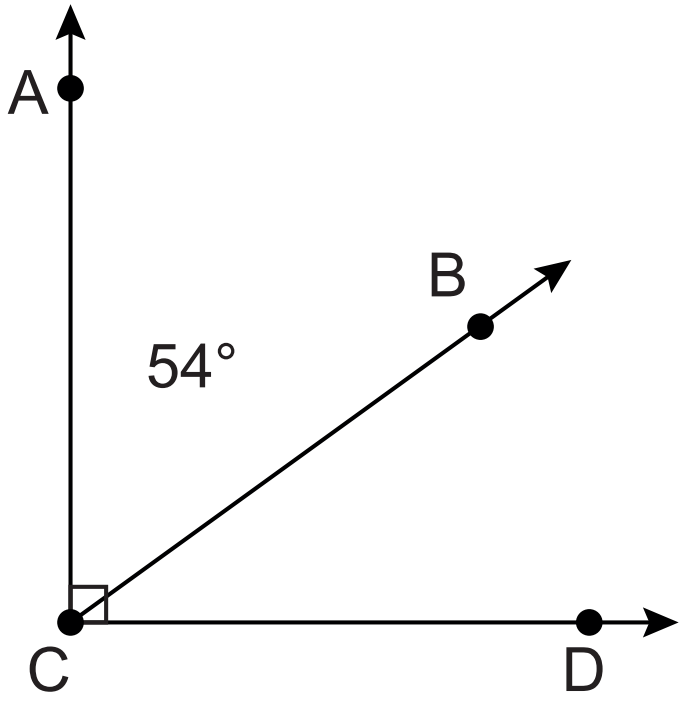
I can find the measurement of an angle by using other known angle measurements.



Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 $\angle ACD$ and $\angle BCD$ are complementary.



What is the measure of $\angle BCD$? Explain your reasoning.

Guiding Tips

Use these if you need help.

- Complementary angles sum to 90°.
- Subtract the measurement of the known angle from 90° to find the measurement of the unknown angle.

Video Tutorial

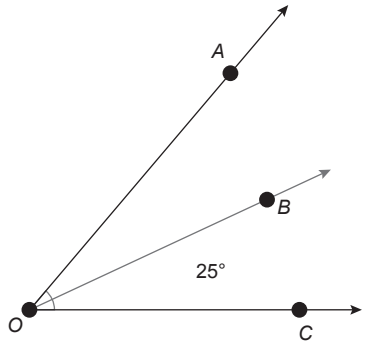
A video about how to solve

I can find the measurement of an angle by using other known angle measurements.

Independent Practice

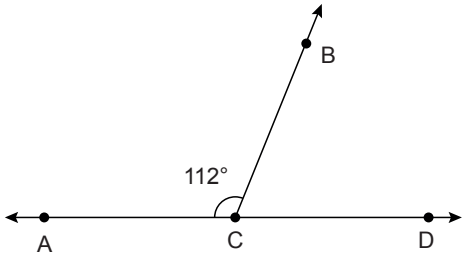
Solve the following questions.

2 $\angle AOC = 75°$ and $\angle BOC = 25°$.



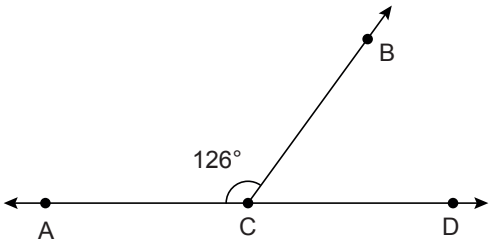
What is the measure of $\angle AOB$? Explain your reasoning.

3 $\angle ACB$ and $\angle BCD$ are supplementary.



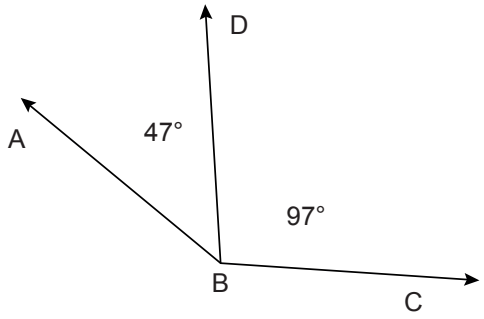
What is the measure of $\angle BCD$? Explain your reasoning.

4 $\angle ACB$ and $\angle BCD$ are supplementary.



What is the measure of $\angle BCD$?

5 A pair of adjacent angles is shown.



What is the measure of $\angle ABC$? Explain your reasoning.

6 $\angle ABC$ and $\angle DEF$ are complementary. $\angle ABC$ measures 30°. What is the measure of $\angle DEF$?

Name: _____ Date: _____

SKILL A

I can add multi-digit numbers with decimals using the standard algorithm.

$$\begin{array}{r} 7.94 \\ -\,3.62 \\ \hline 4.32 \end{array} \qquad \begin{array}{r} {\scriptstyle 1} \\ 2.68 \\ +\,3.07 \\ \hline 5.75 \end{array}$$

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Find the sum.

348.6 + 87.58 = ?

Guiding Tips

Use these if you need help.

- When adding decimal numbers vertically, remember to line up digits by place value.
- Add the digits in each place value position from right to left, and regroup as needed.
- Include the decimal point in your answer. The position of the decimal point in the sum is aligned with those in the addends.

Video Tutorial

A video about how to solve

I can add multi-digit numbers with decimals using the standard algorithm.

Independent Practice

Solve the following questions.

2 Find the sum.

8,543.1 + 97.726 = ?

3 Yusef lives in Miami, Florida. The distance from Miami to Orlando is 234.8 miles. What distance does Yusef travel if he travels round trip to and from Orlando?

4 Nia bought sneakers for $74.95 and a bag of socks for $10.49. What was the total cost of the items she bought?

5 Mateo bought a variety of fruits for a smoothie.

- The apples cost $3.72.
- The bananas cost $4.28.
- The oranges cost $5.22.
- The strawberries cost $2.39.

How much did Mateo spend on fruit?

6 A package of steak weighs 454.03 grams, and a package of chicken weighs 176.42 grams. What is the combined weight of both packages?

Name: _____ Date: _____

SKILL
B

I can subtract multi-digit numbers with decimals using the standard algorithm.

$$\begin{array}{r} 7.94 \\ -\,3.62 \\ \hline 4.32 \end{array} \qquad \begin{array}{r} {\scriptstyle 1} \\ 2.68 \\ +\,3.07 \\ \hline 5.75 \end{array}$$

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Subtract the decimals to find the difference.

913.54 – 143.06 = ?

Guiding Tips

Use these if you need help.

- When subtracting decimal numbers vertically, place the greater number on top and subtract the smaller number from the greater number.
- Make sure that the decimal points and the place value positions are lined up.
- If there is a different number of place value positions, use zeros as placeholders at the end of the decimal number with fewer place value positions.

Video Tutorial

A video about how to solve

I can subtract multi-digit numbers with decimals using the standard algorithm.

Independent Practice

Solve the following questions.

2 Subtract the decimals to find the difference.

4,641.3 − 512.951 = ?

3 Ingrid had a ten-dollar bill to spend at lunch. She bought a chicken sandwich for $4.99 and a vanilla milkshake for $3.25. How much change did Ingrid receive?

4 Lars ran three 5K races in the last month. His times for the races are shown in the table.

Race	Time (minutes)
1	25.64
2	24.92
3	25.58

What is the difference between his fastest and slowest race times?

5 Santiago met his goal of running 20 miles over the course of 5 days as shown in the table.

Day	Distance (miles)
Sunday	3.1
Tuesday	4.2
Wednesday	5.7
Friday	3.3
Saturday	?

How many miles did Santiago run on Saturday? Explain your reasoning.

6 Henrik bought 4 items for his ice cream sundae party. He spent $43.92 on all 4 items.

- The ice cream cost $16.72.
- The hot fudge cost $12.32.
- The whipped cream cost $9.90.
- The toppings cost _____.

How much money did Henrik spend on the toppings?

Name: _____ Date: _____

SKILL
C

I can solve problems involving the addition of decimal numbers to the hundredths place using a variety of strategies.

$$\begin{array}{r} 7.94 \\ -\,3.62 \\ \hline 4.32 \end{array} \qquad \begin{array}{r} {\scriptstyle 1} \\ 2.68 \\ +\,3.07 \\ \hline 5.75 \end{array}$$

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1. The distance from Athens, Georgia, to Atlanta, Georgia, is 84.42 miles. Tobias made a day trip from his home in Athens to Atlanta and back. How many miles did he travel?

Guiding Tips

Use these if you need help.

- When adding decimal numbers vertically, line up digits by place value.
- Add the digits in each place value position from right to left and regroup as needed.
- Remember to include the decimal point in your answer. The position of the decimal point in the sum is aligned with those in the addends.

Video Tutorial

A video about how to solve

I can solve problems involving the addition of decimal numbers to the hundredths place using a variety of strategies.

Independent Practice

Solve the following questions.

2 Is the following statement true or false? Explain your reasoning.

The sum of 2.19 and 0.83 is less than 3.

3 Ingrid solved the problem 45.7 + 8.26. Her work is shown.

$$\begin{array}{r} 45.7 \\ +\ 8.26 \\ \hline 12.83 \end{array}$$

Where did Ingrid make a mistake in her process? Explain your reasoning.

4 A customer ordered a cheeseburger that cost $6.85 and fries that cost $3.45. How much did the customer spend on the order?

5 Noah ran 2.4 miles on Monday, 1.85 miles on Tuesday, 2.4 miles on Wednesday, 3.74 miles on Thursday, and 3.74 miles on Friday. What is the total distance Noah ran over the course of all 5 days?

6 Rhea bought the following items:

- A pair of shorts for $29.93
- A shirt for $15.82
- A pair of shoes for $45.38

What was the total amount Rhea spent? Is the following statement true or false? Explain your reasoning.

Name: _____ Date: _____

SKILL D

I can solve problems involving the subtraction of decimal numbers to the hundredths place using a variety of strategies.

$$\begin{array}{r} 7.94 \\ -\,3.62 \\ \hline 4.32 \end{array} \qquad \begin{array}{r} {\scriptstyle 1} \\ 2.68 \\ +\,3.07 \\ \hline 5.75 \end{array}$$

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1. A slice of chocolate pie costs $4.30, but a slice of cherry pie costs $0.45 less. How much does the slice of cherry pie cost?

Guiding Tips

Use these if you need help.

- When subtracting decimal numbers vertically, place the greater number on top and subtract the smaller number from the greater number.
- Make sure that the decimal points and place value positions are lined up.
- If there is a different number of place value positions, use zeros as placeholders at the end of the decimal number with the fewer place value positions.

Video Tutorial

A video about how to solve

I can solve problems involving the subtraction of decimal numbers to the hundredths place using a variety of strategies.

Independent Practice

Solve the following questions.

2 Liam paid $23.79 for a pair of pants on sale. The original price was $35.28. How much money did Liam save by paying the sale price?

3 Emilia went to the concession stand during the football game. She used a twenty-dollar bill to buy 3 chips, 2 hot dogs, and 1 popcorn. How much change did Emilia receive?

- Chips $1.25
- Hot dog $3.50
- Popcorn $2.30

4 Akari walked 2.75 kilometers. Her friend, Ian, walked 3.62 kilometers. How much farther did Ian walk than Akari?

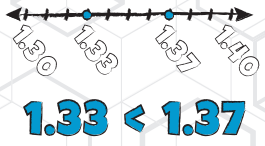
5 Two friends went to the coffee shop, and the bill was $33.62. One friend pitched in $14.28 to cover her portion of the order. What is the remaining balance?

6 Carlos had 4.5 cups of flour in his pantry. He used 1.75 cups to bake a cake. How many cups of flour remained after Carlos baked the cake?

Name: _____ Date: _____

SKILL A

I can understand the sizes of decimal numbers in comparison to benchmark numbers such as 0 and 0.5.



1.33 < 1.37

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 The number line represents tenths.

Plot the approximate locations of 0.45 and 0.67. Which decimal has the lesser value? Explain your reasoning in relation to the number line.

Guiding Tips

Use these if you need help.

- Between which two increments is 0.45 located? Mark the location with a dot.
- Between which two increments is 0.67 located? Mark the location with a dot.
- Which dot is farther to the right?

Video Tutorial

A video about how to solve

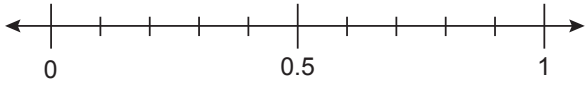
1.33 < 1.37

I can understand the sizes of decimal numbers in comparison to benchmark numbers such as 0 and 0.5.

Independent Practice

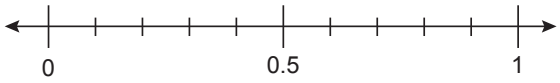
Solve the following questions.

2 The number line represents tenths.



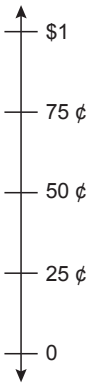
Plot the approximate locations of 0.22 and 0.42. Which decimal is greater? Explain your reasoning in relation to the number line.

3 The number line represents tenths.



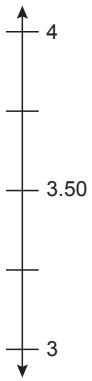
Plot the approximate locations of 0.95 and 0.83. Which decimal has the lesser value? Explain your reasoning in relation to the number line.

4 The number line represents the values of coins that Edmund and Johnny found under the couch.



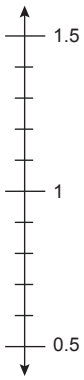
Edmund found 3 quarters and a penny, and Johnny found 6 dimes and 2 pennies. Edmund thinks the value of his coins is closer to a dollar than the value of Johnny's coins. Do you agree? Justify your reasoning in relation to the number line.

5 The number line represents values ranging from 3 to 4.



Plot the approximate locations of 3.27 and 3.6. Which number has the lesser value? Explain your reasoning in relation to the number line.

6 The number line represents decimal values between 0.5 and 1.5.

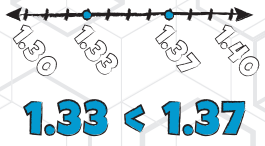


Plot the approximate locations of 0.72 and 1.15. Which number is greater? Explain your reasoning in relation to the number line.

Name: _____ Date: _____

SKILL
B

I can use the symbols >, =, and < to record comparisons between decimals.



1.33 < 1.37

Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Which of the following comparison statements is false?

A. 5.200 = 5.2

B. 5.020 < 5.20

C. 5.02 = 5.020

D. 5.022 > 5.200

Guiding Tips

Use these if you need help.

- When comparing decimals, start from the numbers in the tenths place.
- After comparing the numbers in the tenths place, compare the numbers in the hundredths place.
- After comparing the numbers in the hundredths place, compare the numbers in the thousandths place.

Video Tutorial

A video about how to solve

I can use the symbols >, =, and < to record comparisons between decimals.

Independent Practice

Solve the following questions.

2 The following table displays the length of different species of worms in inches.

Species of Worm	Length (inches)
A	8.230
B	8.324
C	8.271
D	8.349

Create comparison statements using the symbols <, >, or = to show the relationship between the lengths of worms A and B and the relationship between the lengths of worms C and D.

3 Complete the following inequality with the correct comparison symbol (<, >, or =).

6.317 _____ 6.321

4 Complete the following inequality with the correct comparison symbol (<, >, or =).

87.459 ____ 87.449

5 Compare the following decimals using the symbols <, >, or =.

47.03 _____ 47.030

6 Which of the following comparison statements is true?

A. 7.3 < 7.300

B. 7.030 = 7.003

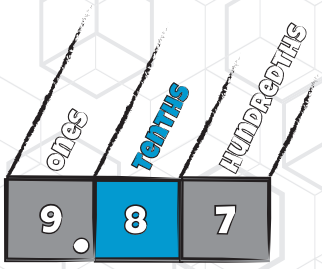
C. 7.300 > 7.030

D. 7.003 > 7.300

Name: _____ Date: _____

SKILL A

I can use expanded notation to represent the value of a digit in a decimal.



Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Mr. Wallace wrote an expression on the board at the start of math class.

$$(3 \times 100) + (1 \times 10) + (5 \times 1) + \left(4 \times \frac{1}{100}\right) + \left(9 \times \frac{1}{1{,}000}\right)$$

What number does Mr. Wallace's expression represent?

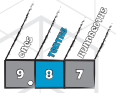
Guiding Tips

Use these if you need help.

- Each digit's place value is within a set of parentheses.
- What is the value of each digit?
- What is the combined value of all the digits' place values?

Video Tutorial

A video about how to solve



I can use expanded notation to represent the value of a digit in a decimal.

Independent Practice

Solve the following questions.

2 Write 1,245.987 in expanded notation.

3 Write an expression to represent the value of the 5 in the number 94.165.

4 Emma competed in a gymnastics competition. She received a score of four and twenty-six hundredths. Write Emma's score in expanded notation.

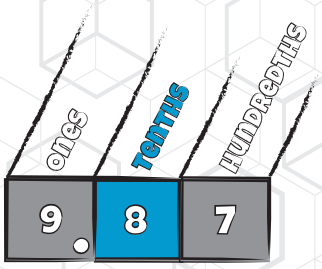
5 Write an expression to represent the value of the 1 in the number 4,350,679.108.

6 Write 70.098 in expanded notation.

Name: _____ Date: _____

SKILL
B

I can round decimals.



Guided Practice

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

1 Round 23.574 to the nearest whole number.

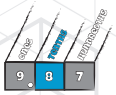
Guiding Tips

Use these if you need help.

- Find the digit in the place value that you are rounding to. Look at the digit to the right of that place value position.
- If the digit is 4 or less, round down. The digit of the place you are rounding to stays the same.
- If the digit is 5 or more, round up. The digit of the place you are rounding to increases by 1. All digits to the right of the place you are rounding to become zeros.

Video Tutorial

A video about how to solve



I can round decimals.

Independent Practice

Solve the following questions.

2 Round 23.458 to the nearest tenth.

3 Four workers each cut a piece of plywood 67.954 inches long. Their boss asked them to round the length to the nearest hundredth of an inch. Their rounded lengths are shown.

Worker	Rounded Length
Phoenix	68.0 inches
Matt	67.1 inches
Laddy	67.95 inches
Duxe	67.90 inches

Which worker rounded correctly?

4 Four students were asked to round 7,352.094 to different place value positions. The table shows student answers.

Student	Rounded to the Nearest	Answer
Pasha	Tenths place	7,352.1
Erasheo	Tens place	7,350
Perry	Hundredths place	7,353.01
Ross	Ones place	7,352

Which student rounded incorrectly?

5 Round 313.854 to the nearest hundredth.

6 Round 555.853 to the nearest tenth.