# Third Grade Answer Key Unit 7: Geometry 

## See PDF bookmarks for navigation

$\qquad$

## Problem of the Day

## Lesson 1

Wendy arrived at the store at 10:45. She shopped for an hour and 5 minutes. What time did Wendy finish shopping?

Answer: $\qquad$

## Lesson 2

Solve for the missing sides.

$$
\text { P = } 36 \text { inches }
$$

6 in.


$$
\text { Answer: } 12 \text { in. }
$$

## Lesson 3

How many sides does the figure below have?


Answer: 5

## Lesson 4

Examine the figure below and determine its attributes.


Sides: $\qquad$
Edges: $\qquad$
Vertices: $\qquad$

## Lesson 5

Name the figures below.


Answer: trapezoid


Answer: $\qquad$ circle
$\qquad$

## Problem of the Day

## Lesson 6

I am a special quadrilateral that has only one set of parallel lines. What shape am I?

Answer: $\qquad$ trapezoid

## Lesson 7

I am a special quadrilateral that has all equal sides but no right angles. What shape am I?

## Answer: parallelogram

## Lesson 8

I am a special quadrilateral that has two sets of parallel lines, four right angles, and my opposite sides are equal in length. What shape am I?

Answer: $\qquad$ rectangle

## Lesson 9

Is a square a rectangle? Why or why not? Explain your answer below. Sample answer: Yes. A square has four sides and four corners just like a rectangle.

## Lesson 10

Why can a trapezoid not be considered a square? Explain your answer below.

Sample answer: A trapezoid does not have four equal sides or four right angles.
$\qquad$

## Problem of the Day

## Lesson 11

What 2-dimensional shapes are parallelograms with four right angles? (Hint: Name two shapes.)

## Answer: rectangle $\&$ square

## Lesson 12

What is different about a trapezoid when compared to the other quadrilaterals?

Sample answer: It does not have right angles

## Lesson 13

What type of lines never cross? Name one shape that is composed of these types of lines.
$\qquad$ and $\qquad$

## Lesson 14

Examine the figure below and determine its attributes.


Faces: $\qquad$
5
Edges: $\qquad$
Vertices: $\qquad$ 5

## Lesson 15

Name the figures below.


Answer: $\qquad$


Answer: $\qquad$
$\qquad$

## Problem of the Day

## Lesson 16

I am a 3-dimensional shape that rolls. I have two bases but no edges or vertices. What shape could I be?

Answer: $\qquad$
cylinder

## Lesson 17

I am a 3-dimensional shape that has the same shape for all of my faces. What shape could I be?

Answer: cube

## Lesson 18

I am a 3-dimensional figure that rolls. I do not have any edges, vertices, or faces. What shape could I be?

Answer: sphere

## Lesson 19

Explain how you could sort the shapes below into two different categories.


Sample answer: You could sort the shapes by the shape of their faces or by the number of vertices.

## Lesson 20

Explain how you could sort the shapes below into two different categories. You cannot sort these shapes the same way you did on the previous day's problem. Think outside the box!


Sample answer: You could sort the shapes by the number of sides or faces.
$\qquad$

## Pre-Assessment

Read each problem below and solve.

1. Which of the following shapes is not a quadrilateral?
A.


C.

D.

2. Name the shape shown below.


Answer:

3. Which of the following solids is a triangular prism?
A.

B.


D.

4. Examine the baseball field below. What shape is home plate?


Answer: $\qquad$ pentagon
5. Greg put a sticker on all the faces of the figure below.

How many stickers did Greg use?


Answer: $\qquad$ five
$\qquad$

## 2-dimensional Shape Vocabulary

| Term | Definition | Picture |
| :---: | :---: | :---: |
| side | The edge $\qquad$ surrounding the figure | Pictures will vary. |
| vertex | The place where two $\qquad$ meet and form an angle | Pictures will vary. |
| angle | A figure that is formed when two rays have the same end point | Pictures will vary. |
| right angle | Forms a $\qquad$ corner |  |
| parallel lines | $\qquad$ |  |

$\qquad$

## Apply 2-dimensional Vocabulary

Read each problem below and find the answer.

1. How many vertices does the shape below have?


4
3. How many angles does the shape below have?

5. How many sets of parallel lines does the figure below have?

7. How many vertices does the shape below have?

9. How many sets of parallel lines does the shape below have?


1
2. Count the sides on the figure below.


4
4. How many right angles does the shape below have?

6. How many sides are on the figure below?

8. How many right angles does the shape below have?


4
10. How many angles does the shape below have?


3
$\qquad$
2-dimensional Shapes

| Shape | Picture | Sides | Vertices | Angles | Right <br> Angles |
| :---: | :---: | :---: | :---: | :---: | :---: |
| triangle |  | 3 | 3 | 3 | Answers <br> will vary. |
| square | $\square$ | 4 | 4 | 4 | 4 |
| rectangle | $\square$ | 4 | 4 | 4 | 4 |
| trapezoid | $\square$ | 4 | 4 | 4 | 0 |
| rhombus |  | 4 | 4 | 4 | 0 |
| pentagon | $\square$ | 5 | 5 | 5 | 0 |
| hexagon | $\square$ | 6 | 6 | 6 | 0 |
| octagon | $\square$ | 8 | 8 | 8 | 0 |

$\qquad$

$\qquad$

## Quadrilaterals Quiz

Use the word bank to fill in the statements below. Each word can be used only once.

| rectangle <br> trapezoid | parallelogram <br> square | rhombus <br> quadrilateral |
| :---: | :---: | :---: |

1. A trapezoid is a type of special quadrilateral with one set of parallel lines.
2. A special quadrilateral with four right angles is called a $\qquad$ rectangle _.
3. parallelogram is a special quadrilateral that has two sets of parallel lines.
4. A rhombus $\qquad$ is a type of special quadrilateral that has all equal sides.
5. $\qquad$ is a special quadrilateral that has all equal sides and four right angles.
6. A polygon with four sides is called a $\qquad$ quadrilateral .

Read each problem below and determine the answer.
7. Is a trapezoid also a parallelogram? Why or why not?
Sample answer: No. It does not have two sets of parallel sides.
$\qquad$
$\qquad$
$\qquad$
9. Draw the special quadrilateral that has four sides of equal length but no right angles.

8. Draw the special quadrilateral that has four right angles and two sets of sides that are equal length.
10. Is a rectangle a square? Why or why not?
Sample answer: No. A rectangle
does not have four equal sides.
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## 2-dimensional Shapes Quiz

Use the word bank to fill in the statements below. Each word can be used only one time.

| rhombus | quadrilateral | vertices |
| :---: | :---: | :---: |
| polygon | square | right angle |

1. A special quadrilateral with four sides of equal length, but no right angles is called a $\qquad$ rhombus
2. A closed-sided figure with at least three sides is called a polygon $\qquad$ .
3. $A$ $\qquad$ is a special
quadrilateral that has four right angles and all equal sides.

Name each shape below.

rhombus
8.

square
2. $\qquad$ are the corners where two sides meet.
4. A right angle a perfect square in the vertex of the figure.
6. A polygon with four sides, four angles, and four vertices is called a quadrilateral
$\qquad$ .
9.

octagon
10.

quadrilateral

Read each problem below and justify your answer.
11. Is the figure on the right a polygon?
Why or why not?


Sample answer: No. It does not have any sides.
$\qquad$
$\qquad$
12. Can a rectangle be called a square? Why or why not?

Sample answer: No. A rectangle does not have four equal sides.
$\qquad$
$\qquad$
$\qquad$

## Answers will vary. 3-dimensional Shapes Vocabulary

| Term | Definition | Picture |
| :---: | :---: | :---: |
| solid figure | A $\qquad$ three dimensional figure that has length, width, and $\qquad$ height | Pictures will vary. |
| face | The $\qquad$ surface of a figure | Pictures will vary. |
| edge | The place where two sides meet | Pictures will vary. |
| vertex | A corner where three or more $\qquad$ sides meet | Pictures will vary. |
| base | The $\qquad$ bottom surface of solid figures that can lay flat | Pictures will vary. |

$\qquad$

## Apply 3-dimensional Vocabulary

Read each problem below and find the answer.

1. How many edges does the shape below have?

none
2. How many vertices does the shape below have?


6
5. How many edges does the shape below have?


6
7. How many vertices does the shape have below?


5
9. Is this figure a solid figure?

Why or why not?


Sample answer: No. It does not have height.
2. How many bases does the shape below have?

4. How many faces does the shape below have?

6. How many bases does the shape below have?


1
8. How many faces does the shape below have?


5
10. Is this figure a solid figure?

Why or why not?


Sample answer: Yes. It has
length, width, and height.
$\qquad$

## 3-dimensional Shapes

$\left.\begin{array}{|c|c|c|c|c|c|}\hline \text { Shape } & \text { Picture } & \text { Faces } & \text { Edges } & \text { Vertices } & \text { Bases } \\ \hline \begin{array}{c}\text { rectangular } \\ \text { prism }\end{array} & & 6 & 12 & 8 & 2 \\ \hline \text { cube } & & 6 & 12 & 8 & 6 \\ \hline \text { sphere }\end{array}\right)$
$\qquad$

## 3-dimensional Shapes Quiz

Use the word bank to fill in the statements below. Each word can be used only one time.

| edge | base | vertex |
| :---: | :--- | :--- |
| solid figure | face | sphere |

1. A corner where edges meet and form a point is called a vertex
$\qquad$ _.
2. A place where two faces meet is called a(n) $\qquad$ .
3. $A$ solid figure $\qquad$ is a geometric figure that has a length, width, and height.

Name each shape below.
7.

rectangular prism
9.

cube

rectangular
pyramid
2. $A$ $\qquad$ is a flat surface on a solid figure that can roll.
4. A $\qquad$ is a solid figure that has no faces, no vertices, and no edges.
6. A flat surface on a 3-dimensional figure is called a
$\qquad$ face

Read each problem below and justify your answer.
11. Does a cylinder have any edges or vertices? Why or why not? Explain your answer.
Sample answer: No. It is round and can roll.
12. What is the difference between a pyramid and a prism?

Sample answer: A pyramid has triangular faces.
$\qquad$

## Assessment

Read each problem below and solve.

1. $A$ $\qquad$ is a closed-sided figure with three or more sides.
A. special quadrilateral
B. polygon
C. quadrilateral
D. solid figure
2. Circle the 3-dimensional figure.
A.

B.

D.
3. What are parallel lines?

Sample answer: Two lines that do not intersect.
5. Which of the following is a quadrilateral?

C.

6. Which statement is true?
A. A trapezoid is a parallelogram.
B. A square is a rectangle.
C. A rhombus is a square.
D. A rectangle is a square.
7. I am a 2-dimensional figure with six sides and six vertices. What shape could I be?
A. pentagon
B. rectangle
C. octagon
D. hexagon
8. Name the figure below.


Answer: rectangular prism
9. Which of these figures is represented by a box?
A. cube
B. cone
C. cylinder
D. pyramid
10. Randi found a shape that was a quadrilateral with one set of parallel lines, but no equal sides. What shape could Randi have found?
A. triangle
B. square
C. trapezoid
D. pentagon
11. Which figure has fewer vertices than the square pyramid?

D.


A. $1,2,4$
B. $2,4,5$
C. $1,2,3$
D. 1,3
13. Which of these figures has 6 faces?

D.

15. Which of these figures has 5 faces, 5 vertices, and 8 edges?

C. $\square$

D.

17. George and his friend draw a quadrilateral with all equal sides. George says the shape has to be a square. Do you agree or disagree? Explain your answer.

Justify:
Sample answer: No, a rhombus also has equal sides.
$\qquad$
$\qquad$
19. Tina and Mark sort solid figures into groups that can roll and not roll. Which group below consists of solid figures that do not roll?
A. cube, rectangular prism, cylinder
B. cone, sphere, cylinder
C. rectangular prism, cone, and sphere
D. pyramid, rectangular prism, cube
18. Wendy draws a solid figure that has 6 faces, 8 vertices, and 12 edges. Wendy says the solid figure has to be a cube. Is she correct? Why or why not? Explain your answer.

Justify:
Sample answer: No, it could also be a rectangular prism.
20. Maya goes shopping at the mall and sees the objects below. Which is shaped like a sphere?
A. football ball
B. soccer ball
C. tennis shoe
D. clothes hanger

# I have eight vertices. What shape am I? 

octagon

# I have four sides and four right angles. What shape could I be? 

Sample answer: square

# I have six sides. What shape am I? 

## hexagon

2-dimensional Shapes
Riddle Cards, Set 1

# I only have three angles. What shape could I be? 

## triangle

# I have four sides but no right angles. What shape could I be? 

## Sample answer: trapezoid

# I have five vertices. What shape am I? 

pentagon

I have four sides, that are all equal in length, and four right angles. What shape am I?

## square

2-dimensional Shapes
Riddle Cards, Set 1

I have four vertices. Sometimes I have right angles in my shape and sometimes I do not. What shape could I be?

## quadrilateral

## Examine each figure. If it is a polygon, write the name of the figure. If it is not a polygon, state the reasoning.



Sample answer: It is not a polygon. Octagon

It is not a closed figured.


Pentagon


Sample answer: It is not a polygon.
It does not have three sides.

Read each problem and determine the answer.

Draw an example of a figure that is not a polygon. Explain why the figure is not a polygon.


Sample answer:
It does not have three sides.

Which of the figures below is not a polygon?
A. $\square$
C. $\triangle$

## Examine each shape below and write the name of the special quadrilateral.


trapezoid

rhombus

rhombus

quadrilateral
$\square$
rectangle

square

## Determine the quadrilateral that is being described

 and illustrate it.This quadrilateral has four sides that are not equal in length and has two sets of parallel sides.

rectangle
This quadrilateral has four equal sides and two sets of parallel lines. There are no right angles.
rhombus


This quadrilateral has two sets of parallel lines and two sets of sides that are equal in length. It also has four right angles.

square

This quadrilateral has one set of parallel lines.

Examine each shape below. Write as many special quadrilateral names as possible for each quadrilateral.
$\square$
quadrilateral, parallelogram, rectangle

quadrilateral, parallelogram, rhombus
$\qquad$

Name all the possible quadrilaterals that fit the rules below.

## Has two sets of parallel sides

Has no right angles
rhombus, trapezoid

Has two sets of sides that are equal length parallelogram, rectangle

Has four sides
that are all equal length parallelogram, square, rhombus

Has one set of parallel sides
trapezoid

Has four right angles
parallelogram, square, rectangle

## I have four right angles and my opposite sides are equal. What am I?

Identify my name and draw an illustration.

## rectangle



I have four sides of equal length but do not have any right angles. What am I?

Identify my name and draw an illustration.

## rhombus



Grade 3 • Unit 7 • Lesson 7
© Reagan Tunstall

Quadrilateral Riddle Task Cards, Set 1

## I only have one side of parallel lines. What am I?

Identify my name and draw an illustration.

## trapezoid



Grade 3 • Unit 7 • Lesson 7
Quadrilateral Riddle Task Cards, Set 1

I am the most unique quadrilateral of all. I fit into all the other quadrilaterals' criteria, but none of the other quadrilaterals meet all my criteria.

## Identify my name and draw an illustration.

## square



Grade 3 • Unit 7 • Lesson 7
Quadrilateral Riddle Task Cards, Set 1

## I am a four-sided polygon. What am I?

Identify my name and draw an illustration.

## quadrilateral



Grade 3 - Unit 7 - Lesson 7 Quadrilateral Riddle Task Cards,
© Reagan Tunstall

## I have two pairs of parallel lines. What am I?

Identify my name and draw an illustration.

## parallelogram



Grade 3 • Unit 7 • Lesson 7 Quadrilateral Riddle Task Cards,
© Reagan Tunstall

## How are rectangles and rhombuses alike? How are they different?

Give one reason for each.

## They each have four sides. Rectangles have right angles.

Grade 3 • Unit 7 • Lesson 7
© Reagan Tunstall

Quadrilateral Riddle Task Cards, Set 1

I am a special quadrilateral whose opposite sides are equal in length. What special quadrilateral am I?

Hint: There is more than one correct answer!
Sample answer: rectangle, square, rhombus

Grade 3 • Unit 7 • Lesson 7
© Reagan Tunstall

Quadrilateral Riddle Task Cards, Set 1

## Draw two different quadrilaterals that are not rectangles, squares, or rhombuses.



Grade 3 • Unit 7 • Lesson 7
Quadrilateral Riddle Task Cards, Set 1

## What is a rectangle with all equal sides?

## Identify the name and draw an illustration.

## square



Grade 3 • Unit 7 • Lesson 7
© Reagan Tunstall

Quadrilateral Riddle Task Cards, Set 1

What is a parallelogram with four right angles?

Identify my name and draw an illustration.

## Sample answer: rectangle


Grade 3 • Unit 7 • Lesson 7
Quadrilateral Riddle Task Cards, Set 1

I am a quadrilateral with two right angles but no sides of equal length. I also have one pair of parallel lines. What special quadrilateral am I?

Identify my name and draw an illustration.

## quadrilateral



Grade 3 • Unit 7 • Lesson 7
Quadrilateral Riddle Task Cards,
© Reagan Tunstall

## How many vertices are on the shape below?



## six

Grade 3 • Unit 7 • Lesson 9<br>© Reagan Tunstall<br>2-dimensional Shapes Review Task Cards, Set 1

# What quadrilateral has only one set of parallel lines? 

## trapezoid

Grade 3 • Unit 7 • Lesson 9
© Reagan Tunstall

2-dimensional Shapes Review Task Cards, Set 1

## Draw an example of a polygon.



Grade 3 • Unit 7 • Lesson 9
© Reagan Tunstall

2-dimensional Shapes Review Task Cards, Set 1

Why is this figure a rectangle, but not a square?


Grade 3 • Unit 7 • Lesson 9 2-dimensional Shapes Review
© Reagan Tunstall Task Cards, Set 1

# What is the term used to describe two lines that will never cross? 

## parallel

Grade 3 • Unit 7 • Lesson 9<br>© Reagan Tunstall<br>2-dimensional Shapes Review Task Cards, Set 1

How many right angles does the shape below have?

Grade 3 • Unit 7 • Lesson 9
© Reagan Tunstall
2-dimensional Shapes Review Task Cards, Set 1

## What is a quadrilateral?

## Sample answer: A polygon that has four sides.

Grade 3 • Unit 7 • Lesson 9<br>© Reagan Tunstall<br>2-dimensional Shapes Review Task Cards, Set 1

## Draw an example of a figure that is not a polygon.



Grade 3 • Unit 7 • Lesson 9
© Reagan Tunstall

2-dimensional Shapes Review Task Cards, Set 1

What quadrilateral has four right angles and two sets of parallel lines, but does not have all equal sides?

## parallelogram

Grade 3 • Unit 7 • Lesson 9<br>© Reagan Tunstall<br>2-dimensional Shapes Review<br>Task Cards, Set 1

## How many angles are on the shape below?



## five

Grade 3 • Unit 7 • Lesson 9<br>© Reagan Tunstall<br>2-dimensional Shapes Review Task Cards, Set 1

## How many sides are on the shape below?



Grade 3 • Unit 7 • Lesson 9
© Reagan Tunstall

2-dimensional Shapes Review Task Cards, Set 1

## What is the figure below called?



Grade 3 • Unit 7 • Lesson 9
© Reagan Tunstall

2-dimensional Shapes Review Task Cards, Set 1

Which of the following is not true about a square?
A. A square is a rectangle.

B. A square is a quadrilateral.
C. A square is a parallelogram.
D. A square is a trapezoid.

Grade 3 • Unit 7 • Lesson 10
© Reagan Tunstall

2-dimensional Shapes Word Problem Cards, Set 1

Examine each shape below.


Which best describes the 3 shapes?
A. Polygons with 4 or more vertices
B. Polygons that are all quadrilaterals
C. Polygons that are all triangles
D. Polygons with 5 or more sides

Grade 3 • Unit 7 • Lesson 10
© Reagan Tunstall

2-dimensional Shapes Word Problem Cards, Set 1

Which statement is not true about the two figures below?

A. Both shapes are polygons. B. Both shapes have 5 or more sides.
C. Both shapes are quadrilaterals.
D. Both shapes have 5 or more vertices.

Grade 3 • Unit 7 • Lesson 10
© Reagan Tunstall

2-dimensional Shapes Word Problem Cards, Set 1

Which of the following describes all of the shapes below?

A. They are all triangles.
B. They are all polygons.
C. They are all quadrilaterals.
D. They are all pentagons.

Grade 3 • Unit 7 • Lesson 10
© Reagan Tunstall

2-dimensional Shapes Word Problem Cards, Set 1

Mrs. Dawson gave her class shapes and asked them to select the pentagon. Which shape should her students select?
A.

C.


Grade 3 • Unit 7 • Lesson 10
© Reagan Tunstall
2-dimensional Shapes
Word Problem Cards, Set 1

Read the descriptions below and determine what shape is being described.

- I am a polygon.
- I am a quadrilateral.
- I am a parallelogram with four right angles.

Which shape am I?


Grade 3 • Unit 7 • Lesson 10
© Reagan Tunstall

D.


2-dimensional Shapes Word Problem Cards, Set 1

# I do not have any faces. What shape am I? 

## sphere

Grade 3 • Unit 7 • Lesson 14
© Reagan Tunstall

3-dimensional Shapes
Riddle Cards, Set 1

# I am a prism, but I only have nine edges. What shape could I be? 

## triangular prism

Grade 3 • Unit 7 • Lesson 14
© Reagan Tunstall

3-dimensional Shapes
Riddle Cards, Set 1

# I only have two flat bases and I can roll. Which shape am I? 

## cylinder

Grade 3 • Unit 7 • Lesson 14
© Reagan Tunstall

3-dimensional Shapes
Riddle Cards, Set 1

# I am a 3-dimensional figure whose faces are all the same. What shape could I be? 

## cube

Grade 3 • Unit 7 • Lesson 14
© Reagan Tunstall

3-dimensional Shapes
Riddle Cards, Set 1

# I am a pyramid shape but have a square base. What shape am I? 

## rectangular pyramid

Grade 3 • Unit 7 • Lesson 14
© Reagan Tunstall
3-dimensional Shapes
Riddle Cards, Set 1

# I have one flat base and I can roll. Which shape am I? 

## cone

Grade 3 • Unit 7 • Lesson 14
© Reagan Tunstall

3-dimensional Shapes
Riddle Cards, Set 1

# I am a prism with 12 edges and 8 vertices. What shape am I? 

## rectangular prism

Grade 3 • Unit 7 • Lesson 14
© Reagan Tunstall

3-dimensional Shapes
Riddle Cards, Set 1

# I am a shape with only four faces and four vertices. What shape could I be? 

## triangular pyramid

Grade 3 • Unit 7 • Lesson 14
© Reagan Tunstall

3-dimensional Shapes
Riddle Cards, Set 1

## Circle the shapes that follow the rule.

Rule: Has 8 or more edges


## Circle the shapes that follow the rule.

## Rule: Has no edges



## Circle the shapes that follow the rule.

## Rule: Shape can roll



The shapes below have been sorted. Title each column with an appropriate rule.

Answers will vary.
Shapes that have no vertices: $\quad$ Shapes that have vertices:

The shapes below have been sorted. Title each column with an appropriate rule. Answers will vary.

| Shapes with six faces: | Shapes with less than six faces: |
| :---: | :---: |

## Name the shape below.



## sphere

Grade 3 • Unit 7 • Lesson 16
© Reagan Tunstall
3-dimensional Shapes Review
Task Cards, Set 1

## How many vertices are on the shape below?



## zero

Grade 3 • Unit 7 • Lesson 16
© Reagan Tunstall

3-dimensional Shapes Review
Task Cards, Set 1

## Draw an example of a solid figure that does not roll.



Grade 3 • Unit 7 • Lesson 16
© Reagan Tunstall

3-dimensional Shapes Review Task Cards, Set 1

This figure is considered a pyramid. Why is this not a prism?


## Sample answer: It only has one base.

Grade 3 • Unit 7 •Lesson 16
© Reagan Tunstall

3-dimensional Shapes Review
Task Cards, Set 1

# What term is used to describe the number of flat surfaces on a solid figure? 

## faces

Grade 3 • Unit 7 • Lesson 16
© Reagan Tunstall

3-dimensional Shapes Review
Task Cards, Set 1

## How many edges does this figure have?



12

Grade 3 • Unit 7 • Lesson 16
© Reagan Tunstall

3-dimensional Shapes Review
Task Cards, Set 1

## What is a vertex?

## Sample answer: A point where lines meet.

Grade 3 • Unit 7 • Lesson 16
© Reagan Tunstall

3-dimensional Shapes Review
Task Cards, Set 1

# Daniel went shopping and saw a basketball on display. What solid figure is the same shape as the basketball? 

## sphere

Grade 3 • Unit 7 • Lesson 16
© Reagan Tunstall

3-dimensional Shapes Review
Task Cards, Set 1

## What solid has all the same faces?

## cube

Grade 3 • Unit 7 • Lesson 16
© Reagan Tunstall

3-dimensional Shapes Review
Task Cards, Set 1

## Draw an example of a solid figure that rolls.

## Answers will vary.



Grade 3 • Unit 7 • Lesson 16 © Reagan Tunstall

3-dimensional Shapes Review
Task Cards, Set 1

## Identify the number of faces, edges, and vertices on the figure below.

## 1 Face <br> 0 Edges 1 Vertices



Grade 3 • Unit 7 • Lesson 16
© Reagan Tunstall

3-dimensional Shapes Review Task Cards, Set 1

## How many faces does the figure below have?


five
Grade 3 • Unit 7 • Lesson 16
© Reagan Tunstall
3-dimensional Shapes Review
Task Cards, Set 1

Use the clues below to determine the shape:

- I am a 3-dimensional shape.
- I have at least one triangular face.

Which shape could not be the mystery shape?
A. triangular pyramid

## B. cube

C. square pyramid
D. triangular prism

Grade 3 • Unit 7 • Lesson 17
© Reagan Tunstall

3-dimensional Shapes
Word Problem Task Cards, Set 1

Which shows the correct number of edges and vertices for the figure below?
A. 9 edges and 8 vertices

B. 10 edges and 6 vertices
C. 9 edges and 6 vertices
D. 10 edges and 8 vertices

Grade 3 • Unit 7 • Lesson 17
© Reagan Tunstall

3-dimensional Shapes Word Problem Task Cards, Set 1

Martin sorted the figures below by the attribute "fewer than 5 vertices." Which figure would go into this group?


## A. cylinder <br> C. cube


B. rectangular prism
D. triangular prism

Grade 3 • Unit 7 • Lesson 17
© Reagan Tunstall

3-dimensional Shapes Word Problem Task Cards, Set 1

# Which 3-dimensional figures have circular bases? 

## A. cylinder and cone <br> B. octagon and circle C. circle and cylinder <br> D. cone and circle

Grade 3 • Unit 7 • Lesson 17
© Reagan Tunstall

3-dimensional Shapes
Word Problem Task Cards, Set 1

Robert thinks of a mystery figure and gives clues to Timothy to solve. Below are Robert's clues:

- It is a 3-dimensional solid.
- It has 4 vertices.
- It has 4 faces.

What could Robert's mystery figure be?
A. rectangular prism
C. triangular prism

Grade 3 • Unit 7 • Lesson 17
© Reagan Tunstall
B. square pyramid
D. triangular pyramid

3-dimensional Shapes
Word Problem Task Cards, Set 1

Shapes were sorted into the two groups below. What could be an appropriate title for each group?


Group 1


Group 2
A. Shapes without faces, Shapes with faces B. Shapes that roll, Shapes that do not roll
C. Shapes with vertices, Shapes without vertices
D. Shapes that are 2-dimensional, Shapes that are 3-dimensional

Grade 3 • Unit 7 • Lesson 17
© Reagan Tunstall

3-dimensional Shapes Word Problem Task Cards, Set 1

## How many faces, edges, and vertices does the figure below have?

5 faces<br>8 edges<br>5 vertices



© Reagan Tunstall

# What is the difference between a square and a rectangle? 

## Sample answer: <br> A square has four equal sides and a rectangle does not.

## What is the name of this figure?



Grade 3 • Unit 7 • Lesson 19
Math Hunt Cards

© Reagan Tunstall

Which of the following special quadrilaterals has two sets of parallel lines and all equal sides, but no right angles?
A. trapezoid
B. rectangle
C. rhombus
D. square

## Draw an example of a solid figure that rolls.

## Answers will vary.



# What is a polygon? <br> Draw an example of a polygon. 

## Sample answer: <br> A polygon has at least three sides.



# I am a solid figure that has two bases but no vertices or edges. What shape am I? 

## A. cone

 B. sphereC. cylinder
D. circle

Mike sorts some solid figures into two piles. One pile has solid figures that can roll and one has solid figures that cannot roll. Which figures would be in the pile of solid figures that can roll?
A. cylinder, cone, triangular prism B. cone, cylinder, sphere
C. sphere, cone, rectangular prism
D. rectangular prism, cube, sphere

# Which of the following is not considered a special quadrilateral? 

A. trapezoid<br>B. pentagon<br>C. rectangle<br>D. parallelogram

Quinn says that a square can be a rhombus and a rhombus can be a square. Is this true? Why or why not?

Sample answer:<br>No. A square has four right angles and a rhombus does not.

Marty drew a special quadrilateral with two sets of parallel lines and four right angles. She said the figure has to be a square. Is she correct? Why or why not? Explain your answer.

## Sample answer:

No. It could also be a rectangle.

# Which of the following is a face on a triangular pyramid? 

A. circle
B. square
C. rectangle
D. triangle

