

Grade 1 Geometry Challenge Worksheet Set 006

Grade 1 · Geometry · Challenge

Name: _____ Date: _____

Use shape attributes, equal-share language, and rows and columns of same-size squares to solve each item.

1. How many vertices does a rectangle have?

- | | |
|-----|-----|
| A 3 | B 0 |
| C 4 | D 5 |

2. Which shape has 4 straight sides and 4 vertices, with 2 long sides and 2 short sides?

- | | |
|-------------|-----------|
| A rectangle | B hexagon |
| C square | D circle |

3. Which attribute must every square have?

- | | |
|-----------------|--------------------|
| A 4 equal sides | B a blue color |
| C a large size | D 3 straight sides |

4. How many vertices does a cone have?

- | | |
|-----|-----|
| A 1 | B 8 |
| C 7 | D 3 |

5. Which attribute must every triangle have?

- | | |
|--------------------|---------------------|
| A 3 straight sides | B no straight sides |
| C a blue color | D a large size |

6. Which shape is closed and round with no straight sides or vertices?

- | | |
|-------------|------------|
| A circle | B triangle |
| C rectangle | D pentagon |

7. Which shape has exactly 5 straight sides?

A rectangle

B pentagon

C circle

D triangle

8. Which shape has exactly 3 straight sides and 3 vertices?

A square

B triangle

C circle

D pentagon

9. Which solid is shaped like a typical cereal box?

A rectangular prism

B sphere

C cylinder

D cone

10. How many flat faces does a cube have?

A 3

B 4

C 8

D 6

11. Which attribute can change without making a triangle stop being a triangle?

A whether it is closed

B color

C number of vertices

D number of sides

12. How many straight sides does a square have?

A 8

B 6

C 4

D 3

13. How many straight sides does a pentagon have?

A 3

B 7

C 1

D 5

14. A vertical line goes through the center of a rectangle. How many equal parts are made?

A 3

B 7

C 2

D 4

15. How many straight sides does a hexagon have?

A 8

B 1

C 4

D 6

16. A circle is divided into 4 equal shares. What is each share called?

A one fourth

B one whole

C one half

D one third

Answer Key

Answers for all 16 questions

1. 4	2. rectangle
3. 4 equal sides	4. 1
5. 3 straight sides	6. circle
7. pentagon	8. triangle
9. rectangular prism	10. 6
11. color	12. 4
13. 5	14. 2
15. 6	16. one fourth