

Grade 1 Geometry Challenge Worksheet Set 003

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. Which attribute can change while a square is still a square?

A size

B number of vertices

C whether it is closed

D number of sides

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

A square

B rectangle

C triangle

D circle

3. How many vertices does a square have?

A 1

B 8

C 4

D 2

4. How many vertices does a sphere have?

A 2

B 4

C 0

D 7

5. Which shape has exactly 5 straight sides?

A square

B rectangle

C pentagon

D triangle

6. How many straight sides does a circle have?

A 3

B 6

C 2

D 0

7. Which attribute must every circle have?

A a blue color

B 3 straight sides

C a large size

D no straight sides

8. A shape is partitioned into halves. How many equal shares are there?

A 7

B 3

C 2

D 5

9. How many vertices does a circle have?

A 4

B 0

C 2

D 6

10. How many vertices does a cone have?

A 5

B 7

C 1

D 2

11. How many halves make one whole?

A 0

B 2

C 1

D 5

12. Which shape has exactly 6 straight sides?

A square

B hexagon

C rectangle

D pentagon

13. Which solid has no flat faces, edges, or vertices?

A rectangular prism

B sphere

C cube

D cone

14. How many vertices does a triangle have?

A 4

B 1

C 3

D 2

15. How many flat circular faces does a cylinder have?

A 0

B 5

C 6

D 2

16. A rectangle is divided into 2 equal shares. What is each share called?

A one half

B one whole

C one third

D one fourth

Answer Key

Answers for all 16 questions

1. size	2. rectangle
3. 4	4. 0
5. pentagon	6. 0
7. no straight sides	8. 2
9. 0	10. 1
11. 2	12. hexagon
13. sphere	14. 3
15. 2	16. one half