

Grade 1 Geometry Challenge Worksheet Set 009

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 shape has exactly 5 straight sides?
A circle
B triangle
C pentagon
D hexagon
2. Which attribute can change while a square is still a square?
A number of sides
B whether it is closed
C number of vertices
D size
3. Which attribute must every circle have?
A a blue color
B 3 straight sides
C 4 equal sides
D no straight sides
4. How many straight sides does a circle have?
A 3
B 1
C 2
D 0
5. How many straight sides does a square have?
A 0
B 5
C 7
D 4
6. Which solid has 2 flat circular faces and 1 curved surface?
A cone
B rectangular prism
C cylinder
D cube

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

A one fourth

B one half

C one third

D one whole

8. Which attribute must every triangle have?

A 4 equal sides

B a large size

C 3 straight sides

D no straight sides

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

A pentagon

B circle

C hexagon

D rectangle

10. How many straight sides does a triangle have?

A 1

B 0

C 5

D 3

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

A one half

B one third

C one whole

D one fourth

12. How many vertices does a sphere have?

A 1

B 0

C 5

D 8

13. Which solid has 1 flat circular face, 1 curved surface, and 1 vertex?

A cone

B cylinder

C cube

D sphere

14. How many flat faces does a cube have?

A 8

B 1

C 6

D 7

15. How many straight sides does a rectangle have?

A 5

B 7

C 0

D 4

16. How many vertices does a square have?

A 2

B 0

C 4

D 3

Answer Key

Answers for all 16 questions

1. pentagon	2. size
3. no straight sides	4. 0
5. 4	6. cylinder
7. one fourth	8. 3 straight sides
9. circle	10. 3
11. one half	12. 0
13. cone	14. 6
15. 4	16. 4