

Grade 3 Geometry Worksheet Pack

Printable Worksheet Pack • Grade 3

Skills included

- 2D shapes and properties
 - 3D shapes
- Angles and symmetry
- Geometry reasoning

Name: _____ *Date:* _____

2D Shapes

Read carefully and show your working where needed.

1. How many sides does a triangle have?

2. How many sides does a quadrilateral have?

3. How many sides does a pentagon have?

4. How many sides does a hexagon have?

5. How many vertices does a rectangle have?

6. Name a shape with 4 equal sides.

7. Name a shape with no straight sides.

8. How many right angles does a rectangle have?

Properties of Shapes

Read carefully and show your working where needed.

1. Does a square have equal sides? Yes or No.

2. Does a rectangle have 4 right angles? Yes or No.

3. How many lines of symmetry does a square have?

4. How many pairs of equal sides does a rectangle have?

5. Is a circle a polygon? Yes or No.

6. Name a 3D shape with 6 square faces.

7. Name a 3D shape with one curved surface and two flat circular faces.

8. How many faces does a triangular prism have?

Geometry Reasoning

Read carefully and show your working where needed.

1. I have 5 sides and 5 vertices. What am I?

2. I have 6 equal square faces. What 3D shape am I?

3. I have 4 equal sides and 4 right angles. What am I?

4. I have 3 sides and 3 vertices. What am I?

5. Which has more sides: hexagon or pentagon?

6. How are a square and rectangle alike? Give one property.

7. How are a square and rectangle different? Give one property.

8. Draw a shape with exactly one line of symmetry.

Answer Key

Answers for all practice pages

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| 1. 3 | 2. 4 |
| 3. 5 | 4. 6 |
| 5. 4 | 6. square |
| 7. circle | 8. 4 |
| 9. Yes | 10. Yes |
| 11. 4 | 12. 2 |
| 13. No | 14. cube |
| 15. cylinder | 16. 5 |
| 17. pentagon | 18. cube |
| 19. square | 20. triangle |
| 21. hexagon | 22. both have 4 sides |
| 23. square has 4 equal sides; rectangle need not | 24. any valid shape |