

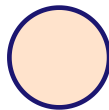
2D and 3D Shapes: math practice, Kindergarten – download the PDF

21 problems graded by difficulty (★ easy, ★★ medium, ★★★ hard). Try first, without looking at the solutions!

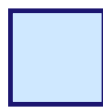
1 Name the flat shapes



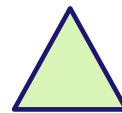
Look at the three flat shapes below. Write the name of shape A, shape B, and shape C.



A



B



C

2 Round like a clock



The face of a clock is perfectly round and has no corners. Which flat shape does it look like?

3 Corners of a triangle



A slice of pizza has the shape of a triangle. How many corners does the slice have? How many sides?

4 Name the solid

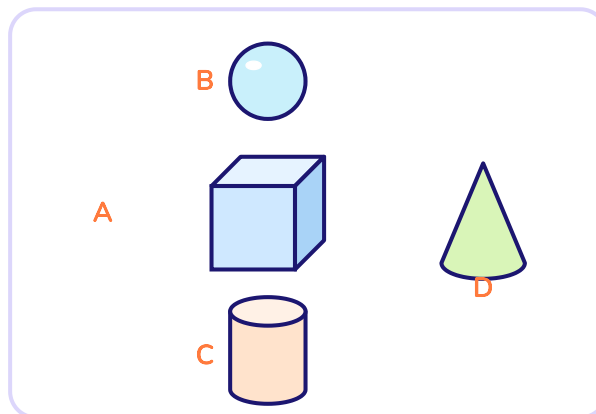


Write the name of each solid shape: (a) a basketball, (b) a soup can, (c) a party hat, (d) a die for a board game.

5 Above or below?



Look at the picture. Letters A, B, C and D mark four shapes. Which shape is above the box A? Which shape is below it? Which shape is beside it?



6 No straight sides



Circle the right answer. Which of these flat shapes has no straight sides: a square, a circle, or a triangle?

7 Match the object

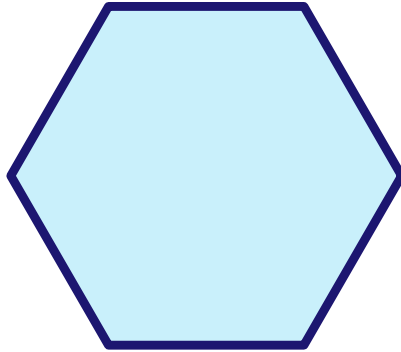


Match each object to the flat shape it looks like: a door, a pizza slice, a honeycomb cell, a coin. Choose from: rectangle, triangle, hexagon, circle.

8

Count the sides

Count the sides and the corners of this shape. What is its name?



9

Four sides

Which of these flat shapes have four sides: square, triangle, circle, rectangle?

10

Sort by corners

Look at the six shapes. Write the numbers of the shapes that have corners and the numbers of the shapes with no corners.



1



2



3



4



5

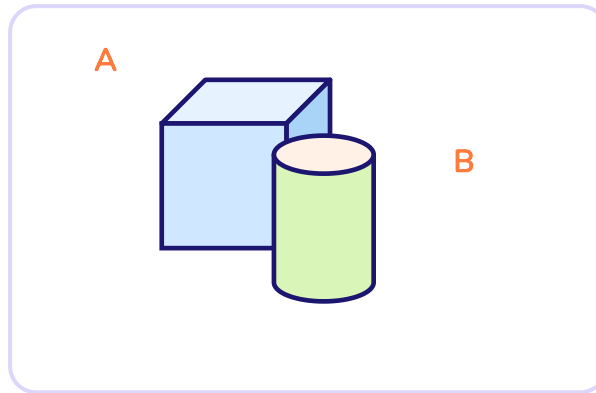


6

11 In front or behind?



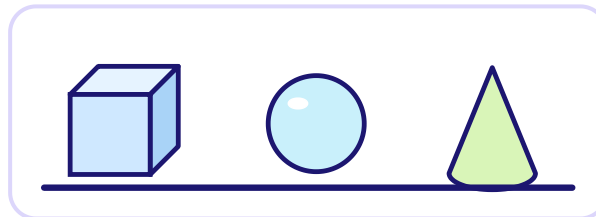
Look at the picture. Which shape is in front of the other one: A (the cube) or B (the can)? Which one is behind?



12 Who is next to the ball?



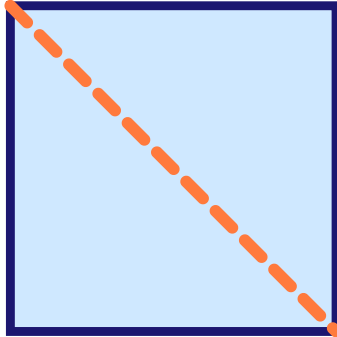
Look at the row of solid shapes. Which two shapes are next to the ball? Name them.



13

Cut a square

A square is cut along the dashed line. What flat shapes do you get? How many of them?



14

Two flat circles

Which solid has two flat round faces: a cone, a cylinder, or a sphere?

15

Sides in a pattern

Ava makes a pattern with **2** triangles and **1** square. How many sides do her shapes have in all?

16

Mystery shapes

Solve the riddles. (a) I have six sides and six corners. What am I? (b) I have three corners. What am I? (c) I am flat and round. What am I?

17 Trace the faces



Mia traces the bottom of a soup can on paper. Then she traces one face of a die. What flat shape does she draw each time?

18 Odd one out

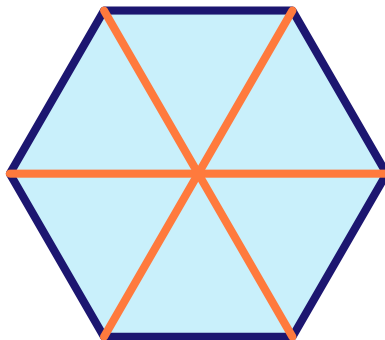


(a) Which shape does not belong: square, rectangle, triangle? Tell why. (b) Which solid rolls in every direction: cube, cylinder, cone, or sphere?

19 Triangles on the wall



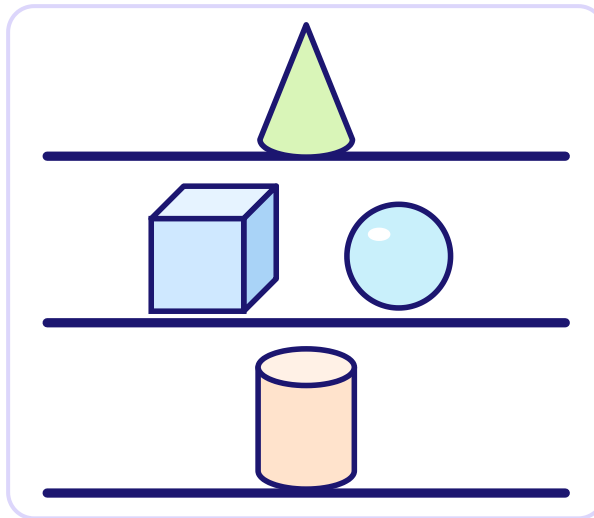
A wall has one hexagon tile made from **6** triangles like in the picture. Next to it hang **3** more triangle tiles. How many triangles are there in all?



20

The toy shelf

Look at the shelf. (a) Which solid is above the cube? (b) Which solid is below the sphere? (c) Which solid is next to the cube?



21

A square and a triangle

Noah has one square and one triangle cut out of paper. Before he glues them together, how many sides do the two shapes have all together? How many corners?

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