

12.5.20

LO. To be able to construct 3D shapes

Mild

I have 9 straws and 6 balls of Play-Doh.



What 3-D shape can I create using all of the straws and Play-Doh? Have a go at making it.

Have a go at drawing your shape...

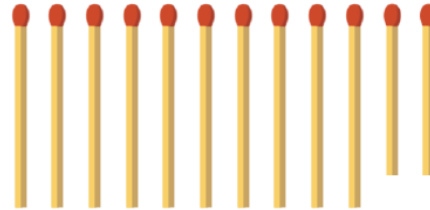
3. Using the given resources, determine whether the statement below is true or false.

You can construct a cube.

9 sticky tack balls



12 Matchsticks



Explain how you know.



RPS  
HW/Ext

Hot

You have 8 straws and 6 balls of modelling clay. Circle the names of the shapes you could make using these:

cube

sphere

triangular prism

square-based pyramid

cone

6. Using the given resources, determine whether the statements below are true or false.

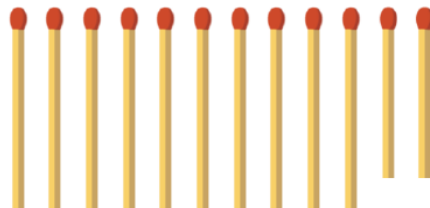
A. You can construct a cube.

B. You can construct a triangular prism.

9 sticky tack balls



12 Matchsticks



Explain how you know.



RPS  
HW/Ext

# Spicy

- 1) Using straws for straight edges and balls of modelling clay for vertices, how many of each would you need to build a pyramid with a hexagonal base?

Straws:

Modelling clay balls:

9. Using the given resources, determine whether the statements below are true or false.

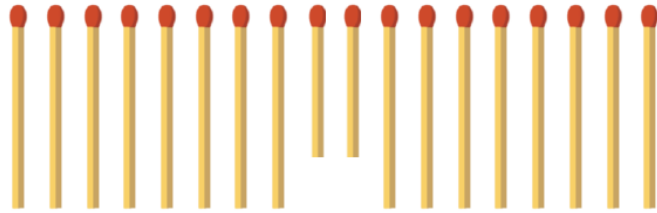
A. You can construct a hexagonal prism.

B. You can construct an octahedron.

11 sticky tack balls



18 Matchsticks



Explain how you know.



RPS  
HW/Ext

Rosie says,



I can create a model of a square-based pyramid using 3 straws and 3 balls of Play-Doh.

Explain the mistake Rosie has made.

How many straws and balls of Play-Doh would you need to create a pyramid?