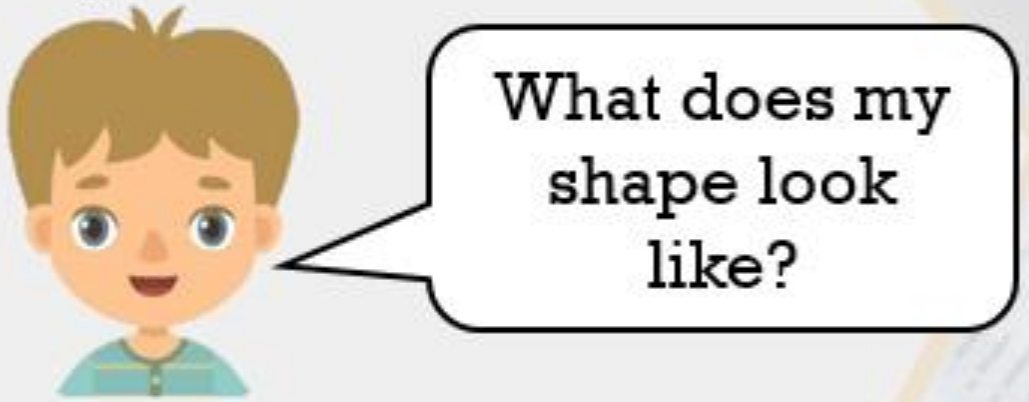
VOLUME - DAY 4

L.O: I can calculate the volume of a shape

PROBLEM SOLVING

L.O: I can calculate the volume of a shape

Jack makes a shape that has a volume of 15cm^3.

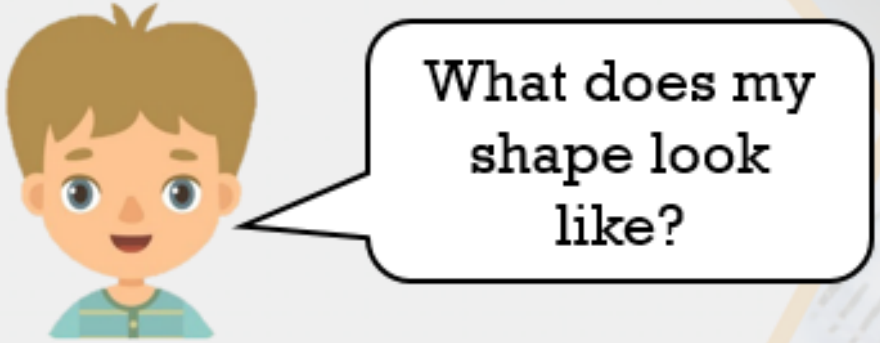


Find three different shapes with a volume of 15cm^3.

PROBLEM SOLVING

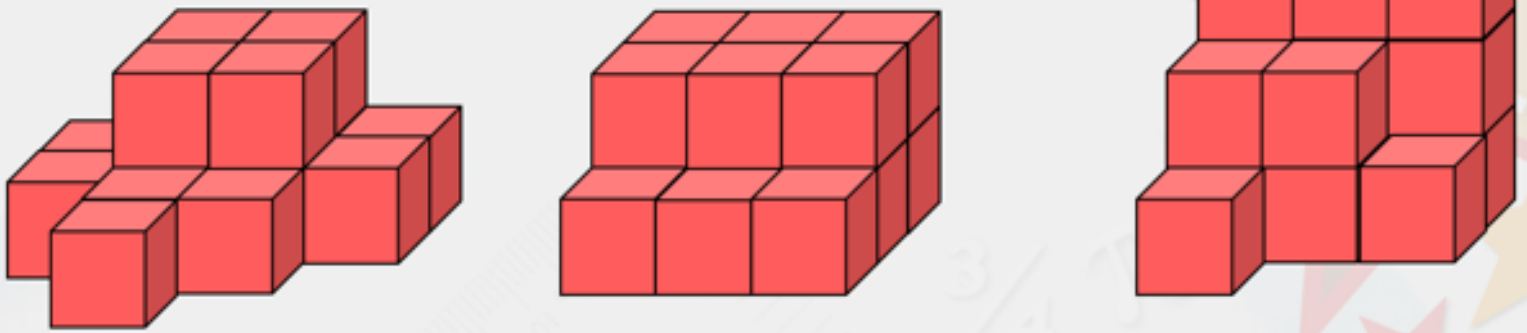
L.O: I can calculate the volume of a shape

Jack makes a shape that has a volume of 15cm³.



Find three different shapes with a volume of 15cm³.

Many possible answers, for example:



PROBLEM SOLVING

L.O: I can calculate the volume of a shape

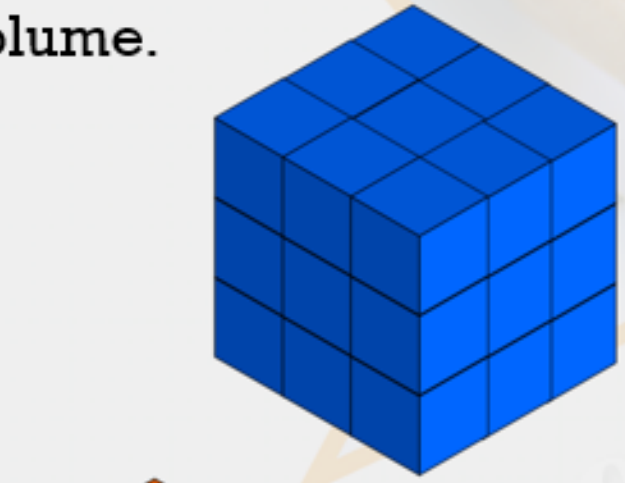
Find the odd one out by matching the shape and the volume.

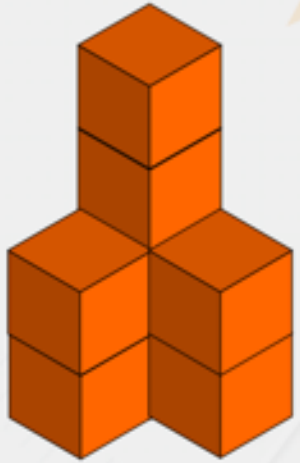
$12cm^3$

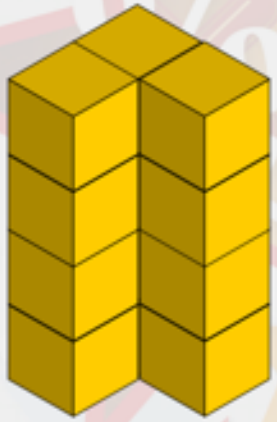
$11cm^3$

$27m^3$

$8cm^3$







PROBLEM SOLVING

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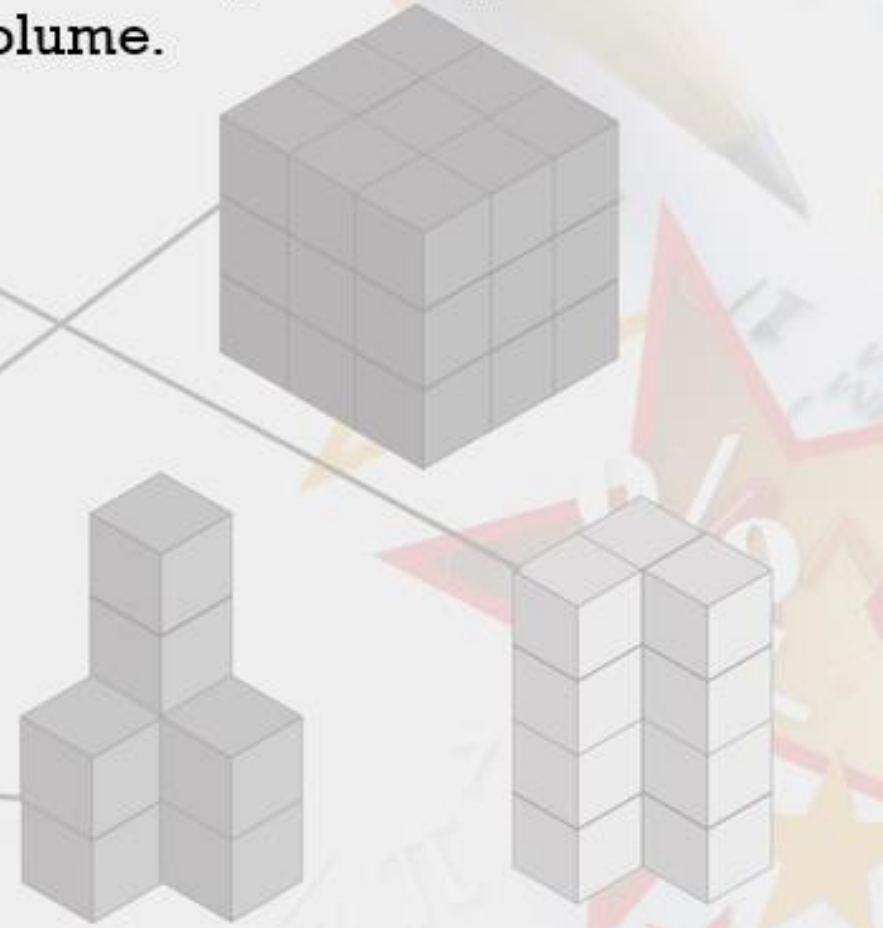


REASONING

L.O: I can calculate the volume of a shape

Francesca and Adam have made shapes using 1cm cubes.
Which child has the shape with the greatest volume?

Francesca

My shape has a length of 3 cubes, a width of 3 cubes and a height of 2 cubes.

My shape has a length of 2 cubes, a width of 3 cubes and a height of 4 cubes.

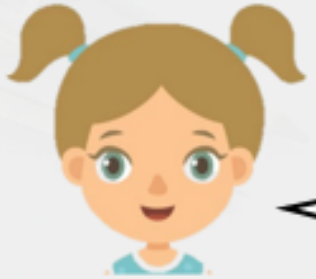
Adam

Explain your answer.

REASONING

L.O: I can calculate the volume of a shape

Francesca and Adam have made shapes using 1cm cubes.
Which child has the shape with the greatest volume?



Francesca

My shape has a length of 3 cubes, a width of 3 cubes and a height of 2 cubes.

My shape has a length of 2 cubes, a width of 3 cubes and a height of 4 cubes.

Adam

Explain your answer.

Adam has the shape with the greatest volume because his shape has a volume of 24 cubes, which is more than Francesca's shape of 18 cubes.

L.O: I can calculate the volume of a shape

Your Task…

REASONING AND PROBLEM SOLVING

Choose which of the following tasks you wish to complete.

Each group's work is on the Learning at Home page – Herons Week 4 (Day 4)