VOLUME OF IRREGULAR SHAPES
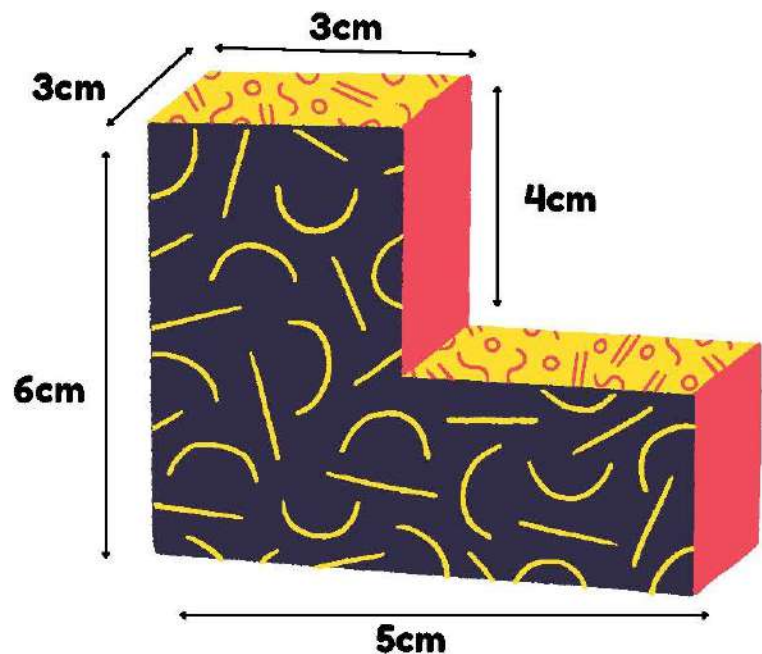
Direction: Find the volume of the irregular shape and answer the questions below.

Lea wants to hide her soft small toy in an L-shaped container. The small toy will take up to 50cm.

3cm

3cm

4cm

6cm

5cm

A. What is the volume of the space of the container?

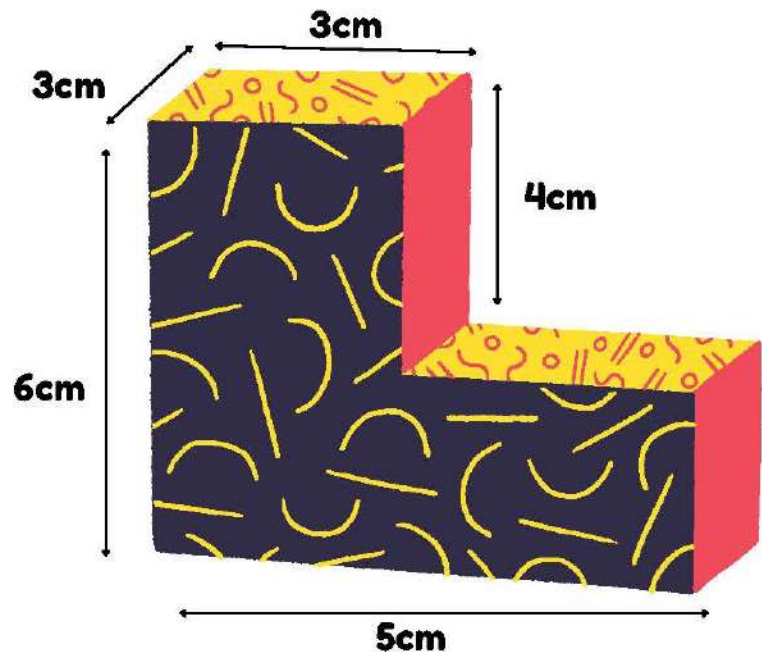**B. Does Lea have enough space for her small toy?**

C. Explain how you know with numbers and words

ANSWER KEY
TO VOLUME OF IRREGULAR SHAPES
WORKSHEET

Direction: Find the volume of the irregular shape and answer the questions below.

Lea wants to hide her soft small toy in an L-shaped container. The small toy will take up to 50cm.

3cm

3cm

4cm

6cm

5cm

A. What is the volume of the space of the container?

Total volume = 54 + 12 = 66cm^3

B. Does Lea have enough space for her small toy?

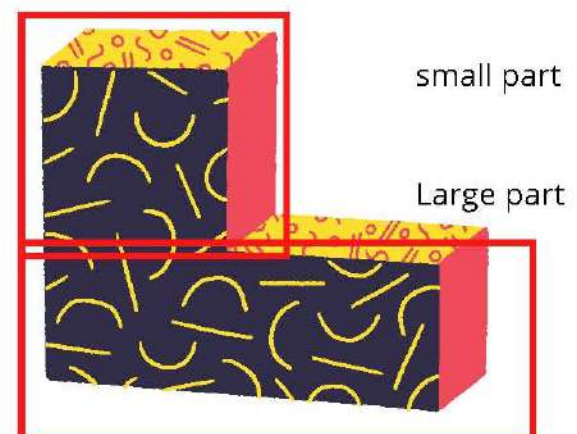**yes, because the volume of container is 60cm and her toy is 50cm only.**

C. Explain how you know with numbers and words

We can thing of the shape as two rectangular joined together

Volume of large part = 6 x 3 x 3 = 54cm^3

Volume of small part = 3 x 2 x 2 = 12cm^3

Total volume = 54 + 12 = 66cm^3

small part

Large part