MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY OF THE REPUBLIC INDONESIA

For Elementary School Grade 5 Semester 2

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WORKSHEET

MATHEMATICS

GRADE 5
SEMESTER 2

LIVEWORKSHEETS

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Learning Objectives

1. Students can construct building spaces (cubes, blocks and their combinations) using 3-dimensional images.
2. Students can analyse the building space (cubes, blocks and their combinations) appropriately.
3. Student can determine the nets of building simple spaces (cubes and blocks) appropriately.
4. Student can make nets - nets of cubes and blocks correctly. Student can recognise spatial visualisations of building spaces using nets.

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Learning Video Material
Activity 1-4

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ACTIVITY 1
(Cardboard Surgery)

Group Member Name

1. .....
2. .....
3. .....
4. .....
5. .....

Class.....

Learning Activity Guide

1. Take the used cardboard in the form of cubes or blocks
2. Cut the ribs but between the sides are still connected to the other side
3. Spread the results of the used cardboard pieces
4. Then draw the nets of the pieces in the box below

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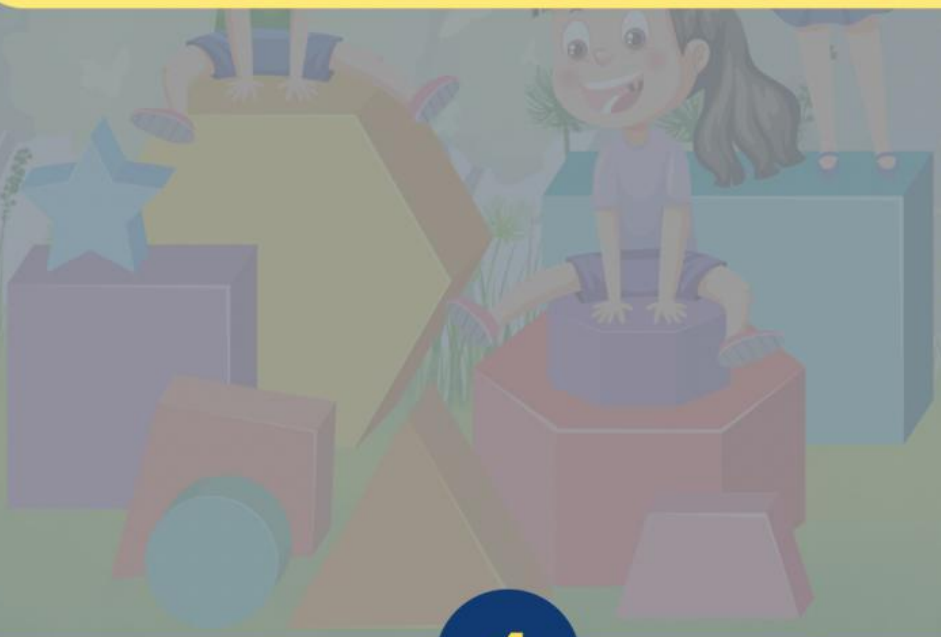
ACTIVITY 1
(Cardboard Surgery)

Cube Nets

Block Nets



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ACTIVITY 2
Create Build
(Cube and Block Space)

Learning Activity Guide

- After students find some forms of cube nets and blocks resulting from cardboard surgery activities, then students in groups make rooms (cubes and blocks)

Tools and Materials

- Cardboard/ waste cardboard
- Manila paper/cardboard/cover paper
- Scissors
- Ruler
- Pencil
- Cutter
- Rope/ribbon
- Doubletape

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ACTIVITY 2
Create Build
(Cube and Block Space)

How to Make

- Take the manila/cover/carton paper that has been provided
- Draw a sketch of the net - a simple build space net (cubes and blocks)
- Thicken the sketch of the building nets of the room using a black marker
- Cut the paper according to the pattern of the net-build the space that has been drawn
- Then fold according to the pattern / line of the net-net to build the space that has been drawn
- Stretch Back the folded space building net
- Make a hole in the end of the mesh to build the space using a piong tool
- Attach the bottom end of the space-building nets on a used cardboard board/cardboard that has been prepared using doubletape insulation.
- Attach the rope / ribbon to the hole that has been made lastly connect the two ends of the tal, attach the pull writing then tie the end of the rope / ribbon.
- After that, pull the knot rope, then the net - the net builds a space that will be folded/bans a building space.
- The net-net building props space is finished and ready to use.

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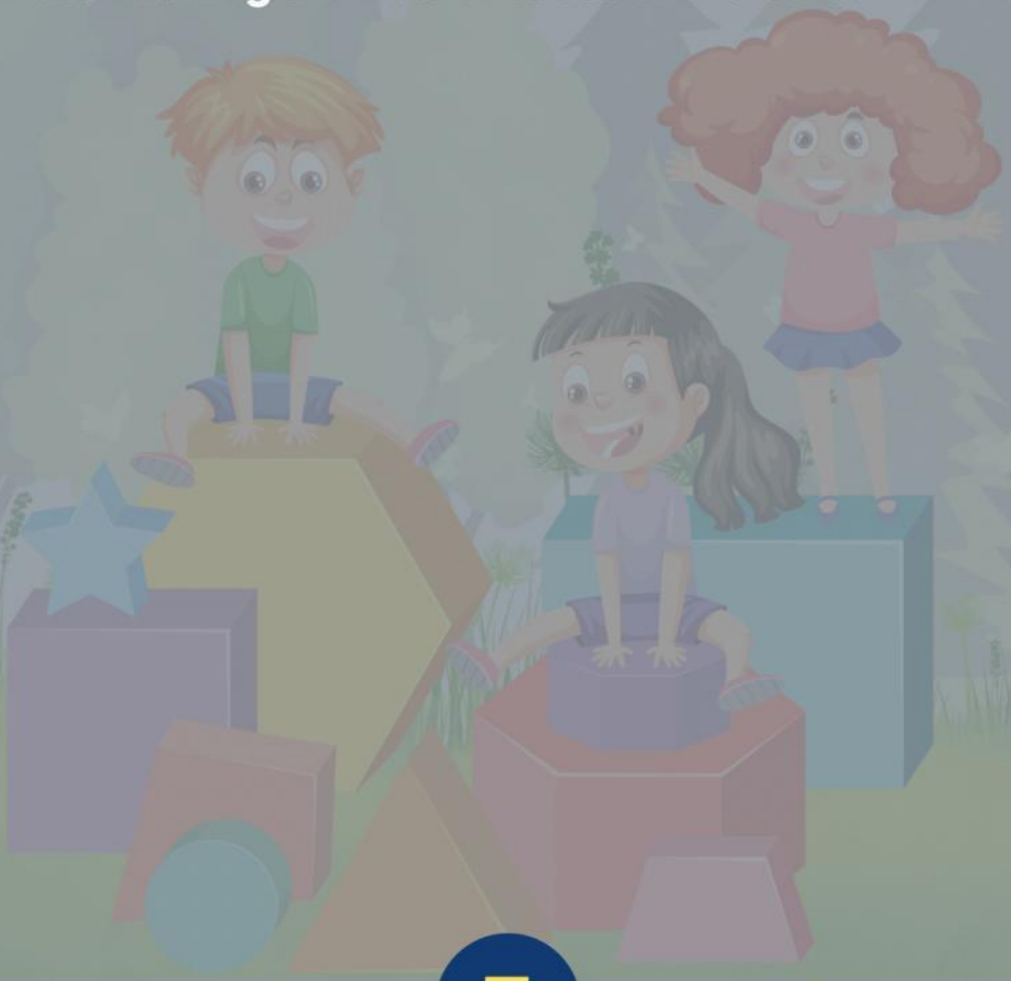
ACTIVITY 3 (Matchmaking Cube and Block Nets)

Group Member Name
1.....
2.....
3.....
4.....
5.....

Class.....

Learning Activity Guide

After students know the Characteristic of nets of cubes and blocks from the cardboard surgery activity, then the students and the group will matchmaking the nets of cubes and blocks.



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ACTIVITY 3 (Matchmaking Cube and Block Nets)

1. Draw the line/ match the nets below correctly!

CUBE

BLOCK

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ACTIVITY 4
(Drag and fill the characteristic of block and cube)

Read the following question then complete the correct answer by entering the answer provided

CUBE

1. Has..... ribs the same length
2. Has..... pieces of the same space diagonal length
3. Has ..... pieces of the same side in the shape of a square

BLOCK

1. Has ..... rectangular sides with ..... sides facing congruent or congruent.
2. Has ..... corner points with all the angles in the form of right angles.
3. Has .... space diagonals and .... plane diagonals.

Drag and fill with the answer below

4 3 12 6 12 8 4 6

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ACTIVITY 5
(Fill the blank of volume cubes and block

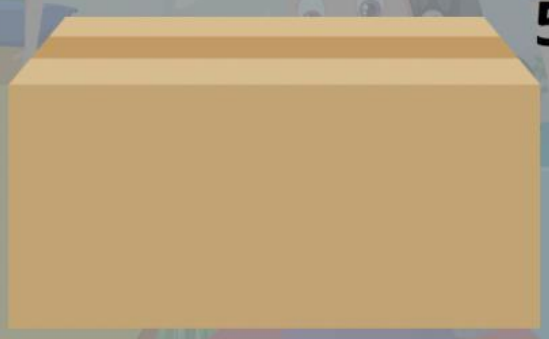
Read the following question then complete the correct answer by entering the answer

CUBE

12cm

A cube has 12cm edges. The Volume of this cube is...

BLOCK



5cm

7cm

15cm

The Volume of this block is...

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