# Worksheet

# Class : IV  Mathematics

**DIRECTORATE OF EDUCATION**
**STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING**
**GOA SAMAGRA SHIKSHA**

2020-2021

**Std: IV**
**Sub:-Mathematics**
**Lesson :- Building with bricks**

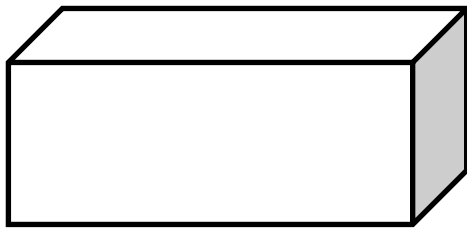| Learning Outcomes | Resources | Guidelines to the Parents. |
|---|---|---|
| **First Week** | | |
| Identifies different shapes, smallest and the biggest shapes, identifies and counts the number of faces of brick, counts number of bricks on a given wall pattern. | **Worksheet [1,2,3,4]** | To guide the student to identify different shapes, smallest and biggest shapes in the given worksheets. To guide the students to observe bricks in different angle and identifying total number of faces, to count number of bricks in a given wall pattern. |
| **Second Week** | | |
| Makes "Jaali "patterns on window of the wall. Draws floor patterns by using bricks | **Worksheet [ 5 ]** | Ask students to observe the picture of Jaali given on seventh page of the textbook and encourage them to prepare Jaali of their own and to guide to draw floor patterns by using bricks |
| **Second Week** | | |
| Solve problems involving price of the bricks of given quantity | **Worksheet [6]** | To guide students to solve examples in the worksheet ,also give the same example by changing number. |

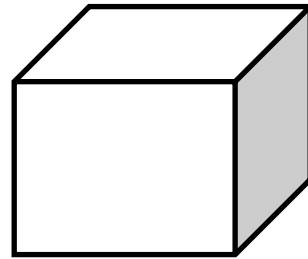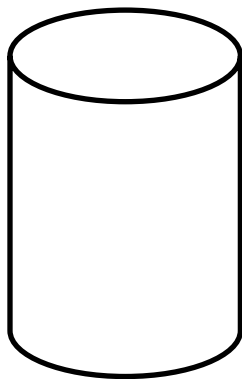**Std:IV**                                                   **First week**
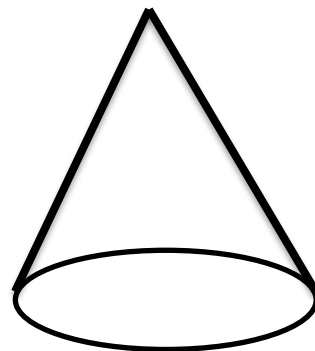**Sub:-Mathematics**
**Lesson :- Building with bricks**

| Learning outcomes | Resources | Guidelines to the parents |
|---|---|---|
| Identifies different shapes | Worksheet 1 | To guide student to identify and name different shapes in the worksheet. |

Identify the shapes and write their names:



_____            _____

_____            _____

**Worksheet 2**

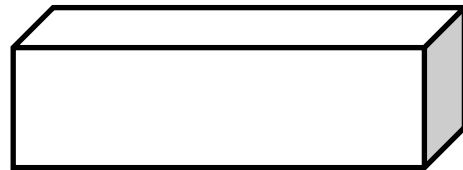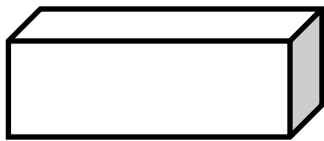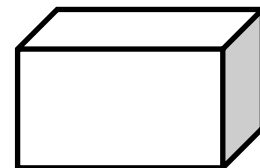**Sub:-Mathematics**                                    **First week**
**Std: IV**
**Lesson:- Building with bricks**

| Learning outcomes | Resources | Guidelines to the parents |
|---|---|---|
| Identifies the smallest and the biggest shapes. | Worksheet 2 | To guide the student in identifying smallest and biggest shapes in the given worksheet and also to apply the same to the shapes found in day today life. |

Observe the following bricks and encircle the biggest brick

1.

2.

Mathematics                                    4                                    Std: IV
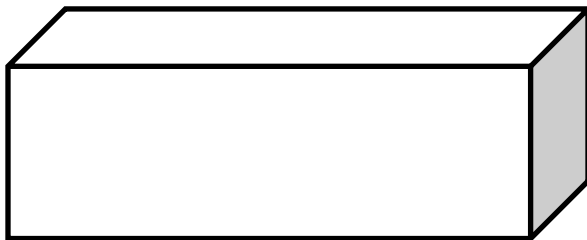
# Worksheet 3

**Std: IV**                                                                                      **First week**
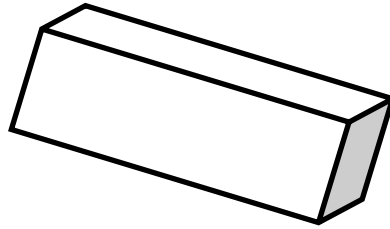**Sub:-Mathematics**
**Lesson :- Building with bricks**

| Learning outcomes | Resources | Guidelines to the parents |
|---|---|---|
| **Identifies the faces and counts the number of faces of the brick** | **Worksheet 3** | **To guide the student to observe the given brick and answer the questions on the faces of the brick.** |

Observe the following brick and answer the following questions.



   a.  How many faces in all does a brick have?

Ans._____

   b.  Is any face a square?

Ans._____

   c.  Draw the smallest face of the brick

Ans.

**Worksheet 4**

**Sub:-Mathematics**
**Lesson :- Building with bricks**

| Learning outcomes | Resources | Guidelines to the parents |
|---|---|---|
| Counts number of bricks | Worksheet 4 | To guide the student to count number of bricks. |

See the wall pattern given below  and Count the number of  bricks used to do the wall pattern.



Total number of  bricks used: ☐

**Std:IV**                                              **Second Week**
**Sub:-Mathematics**
**Lesson:- Building with Bricks**

| Learning Outcome | Resources | Guidelines to parents |
|---|---|---|
| Makes own "Jaali " patterns on the wall by using thin bricks. | Worksheet 5 | Ask students to observe the picture of Jaali given on seventh page of the textbook and encourage them to prepare Jaali pattern of their own on the wall by using thin bricks. |

Draw Jaali on the windows of wall by using thin bricks and colour them.

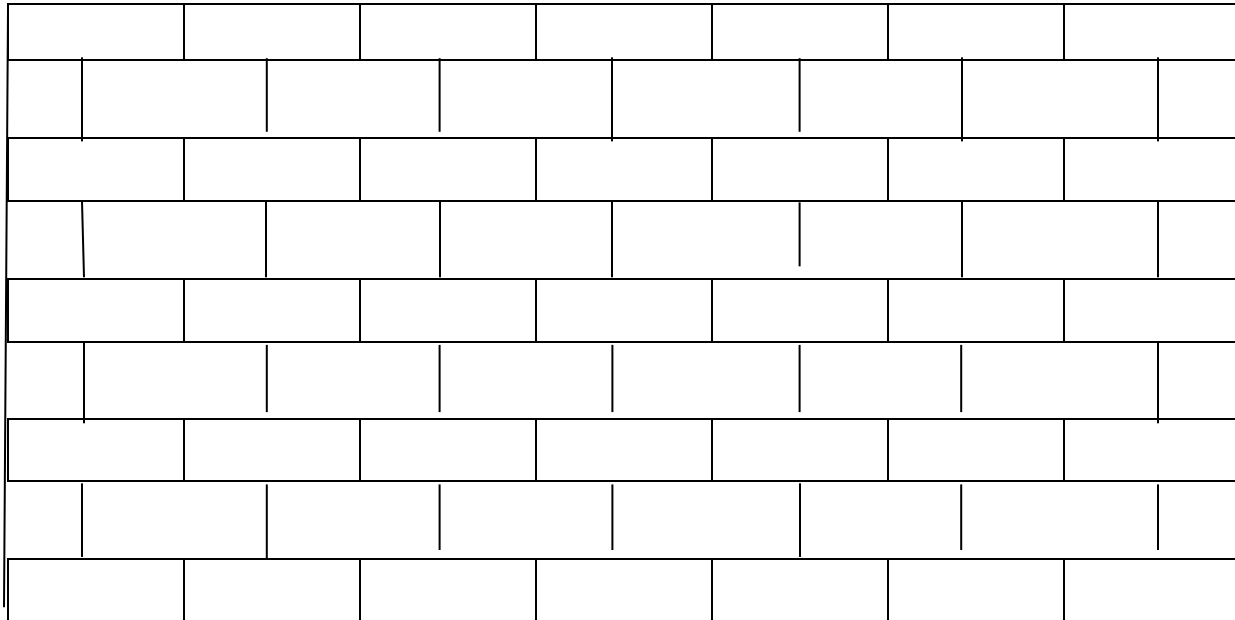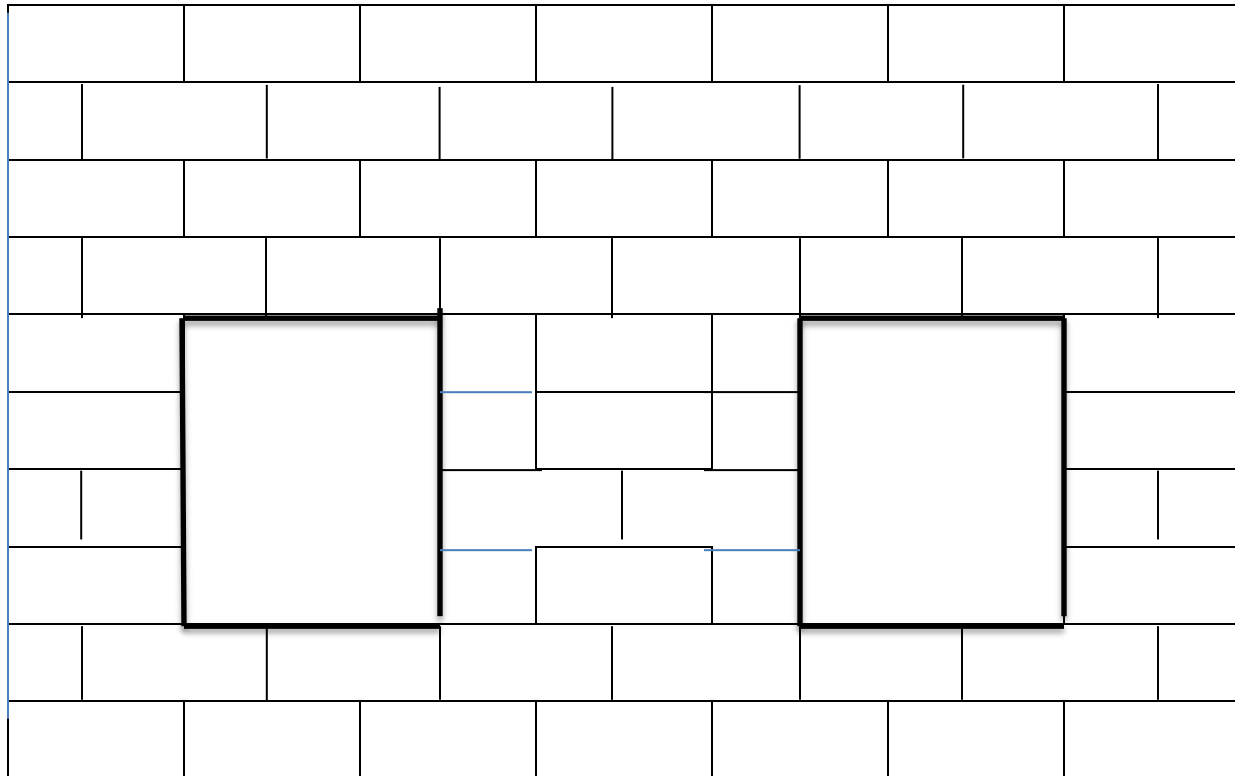**Std:IV**                                                                       **Second week**
**Sub:-Mathematics**
**Lesson - Building with bricks**

| Learning Outcomes | Resources | Guidelines to the parents |
|---|---|---|
| Draws floor patterns by using bricks. | Worksheet 6 | To ask student to observe floor patterns and draw(Also page no.1 and 2 and 3 of the textbook can be referred) . |

By using bricks, draw floor patterns which you liked and colour the same.

|  |  |
|---|---|
|  |  |

**Worksheet - 7**

**Std:IV**                                               **Second week**
**Sub:-Mathematics**
**Lesson :- Building with Bricks**

| Learning Outcomes | Resources | Guidelines to the parents |
|---|---|---|
| Solve problems involving price of the bricks of given quantity | **Worksheet [7]** | To guide student to solve examples in the worksheet ,also change the number and give the same example to solve. |

❖ Solve the following example :

Gajanand went to buy bricks. The prices were also different for different types of bricks as given below.

> a. Rs. 1400/- for One thousand old bricks ..
> b. Rs. 2600/- for One thousand new bricks ..

1. Gajanand bought three thousand old bricks.How much did he pay?
   Ans : Rs. _____

2. How much did Gajanand pay if he bought 7000 thousand new bricks?

Ans : Rs. _____

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