



I B PATEL ENGLISH SCHOOL (PRIMARY SECTION)

STANDARD 4

MATHS

LESSON 1

BUILDING WITH BRICKS

Building with Bricks

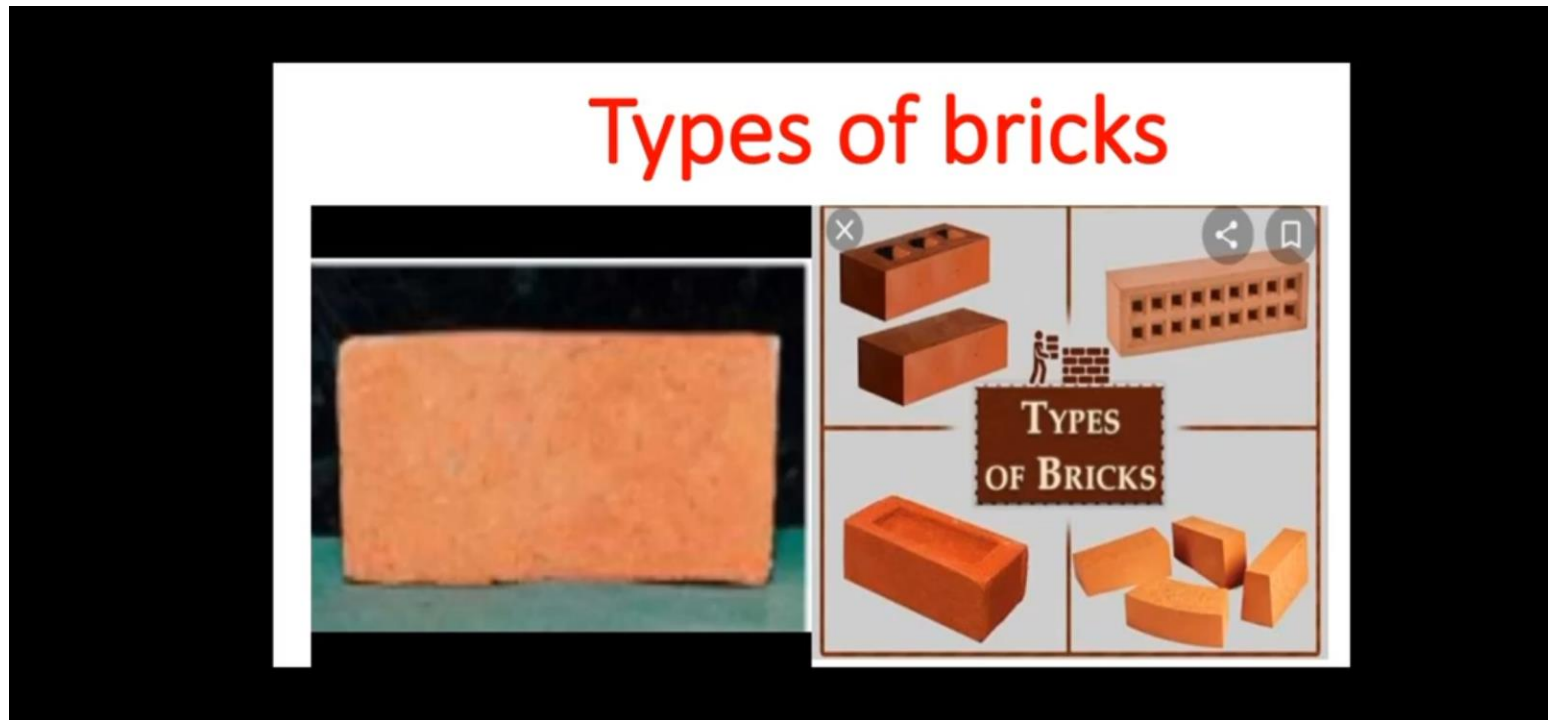
1. Building with bricks



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Types of Bricks



Types of Shapes

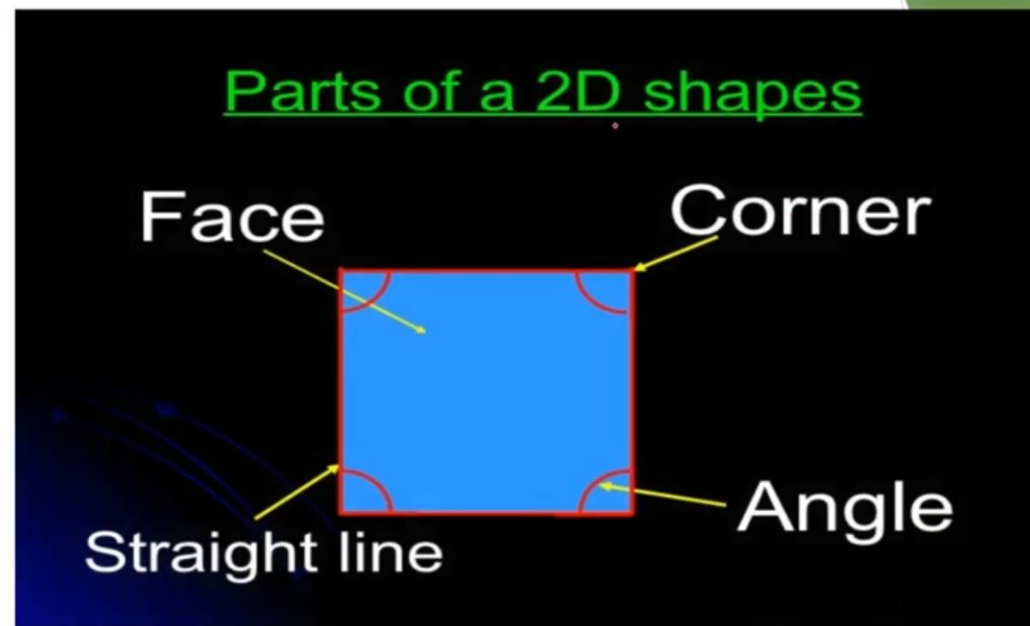
TYPES OF SHAPES

- ▶ 1. TWO DIMENSION SHAPES
- ▶ 2. THREE DIMENSION SHAPS

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Parts of 2 D Shapes



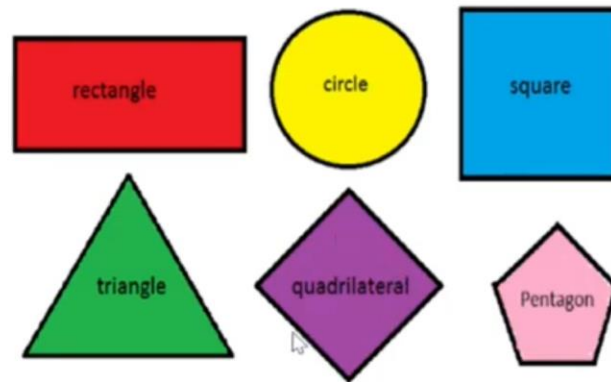
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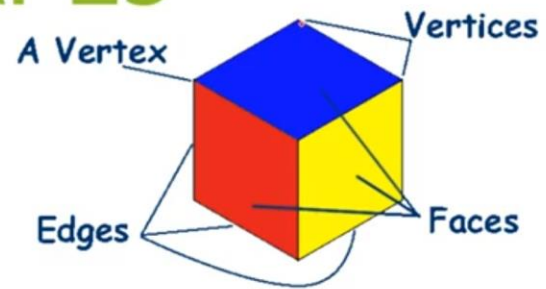
2 D Shapes

2 D Shapes



Parts of 3 D shapes

PARTS OF 3D SHAPES



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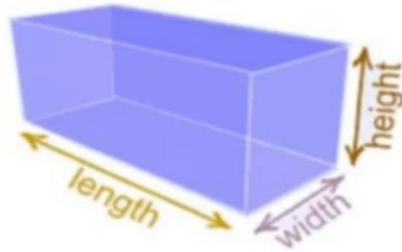
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Characteristics of 3D Shapes

3D SHAPE characteristics

These shapes are **solid**.

They have **three dimensions** (height, width and length).

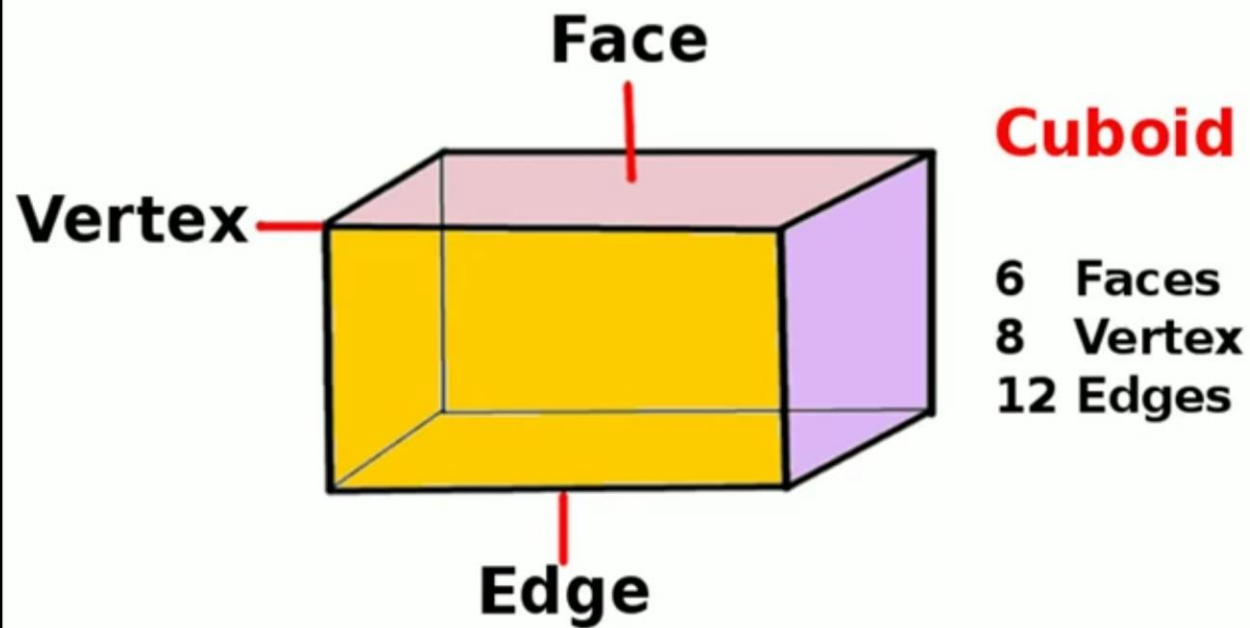


You can find 3D shapes all around in real life!

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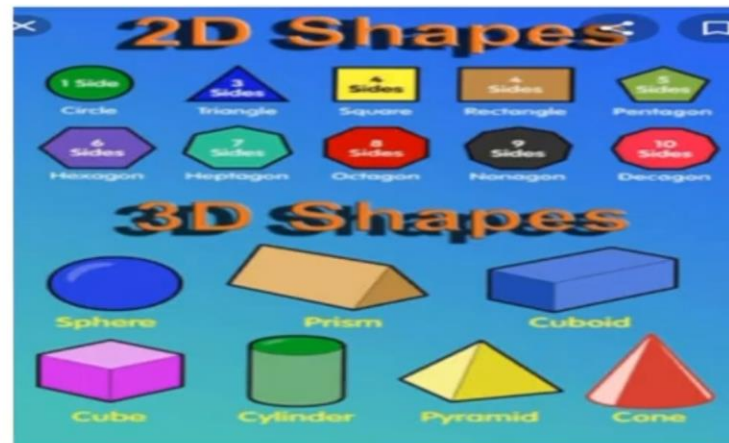


Faces ,Edges and Vertex of cuboid

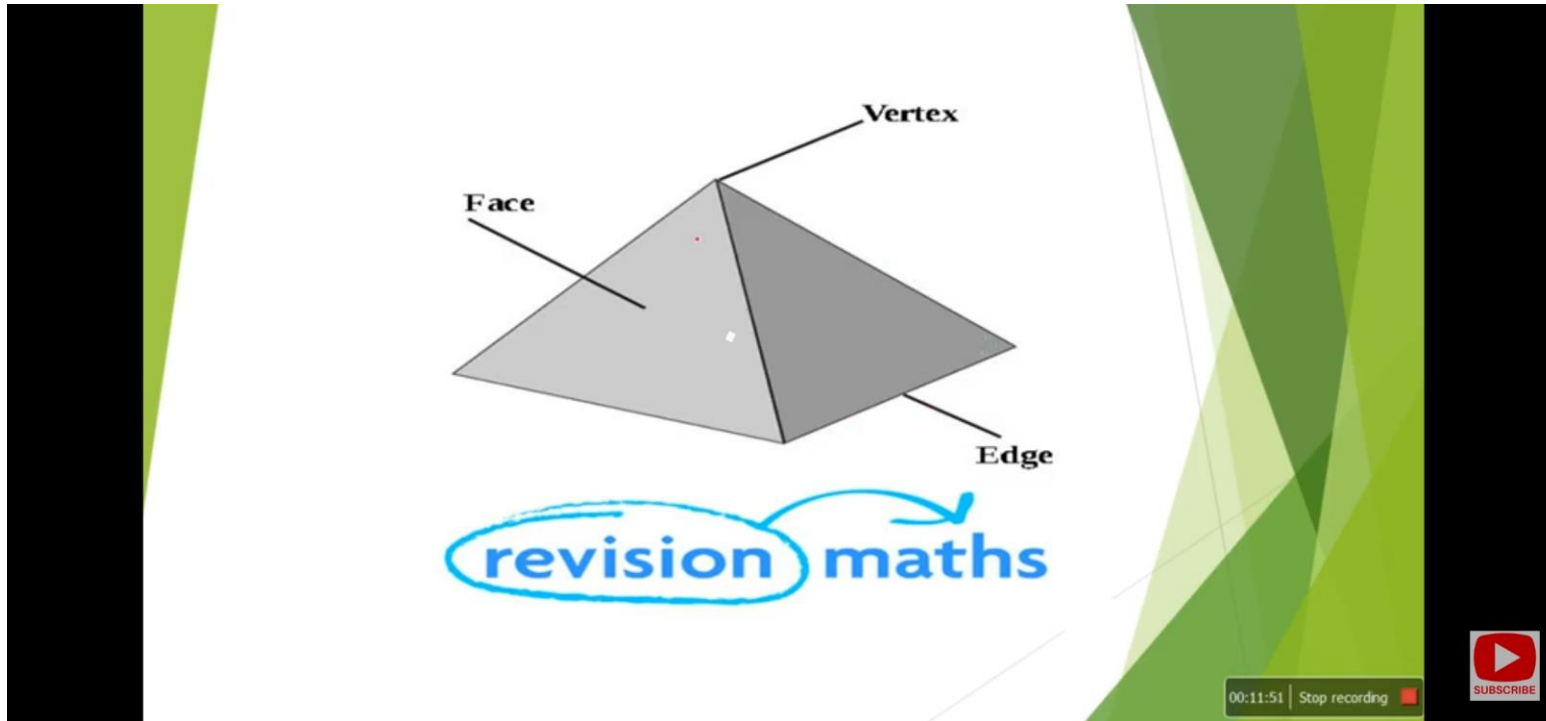


Types of Shapes

Types of Shapes

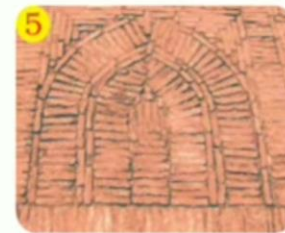
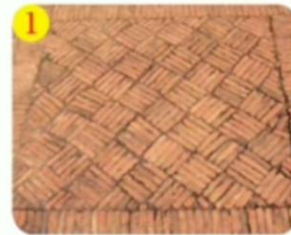
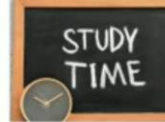


Faces, Vertex and Edges of a Triangle



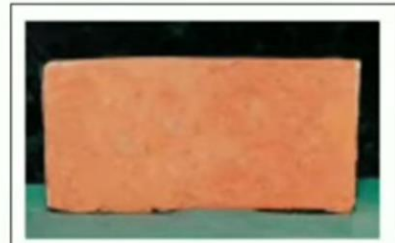
Different floor patterns

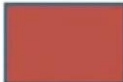
- Different floor patterns



FACES, EDGES AND CORNERS OF BRICK

BRICK



- Brick has 6 faces
- Smallest face 
- All the faces of a brick is in rectangle in shape
- Number of edges in a brick - 12
- Number of corners in a brick - 8

STUDY
TIME

How to draw a brick



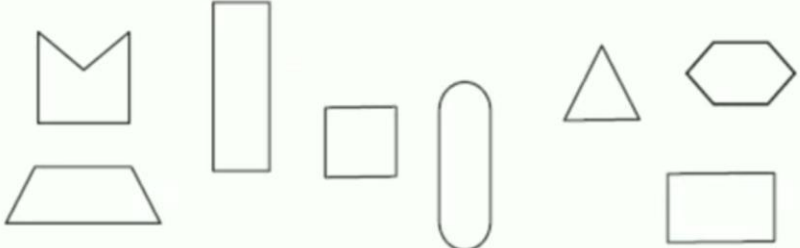
How to draw a brick



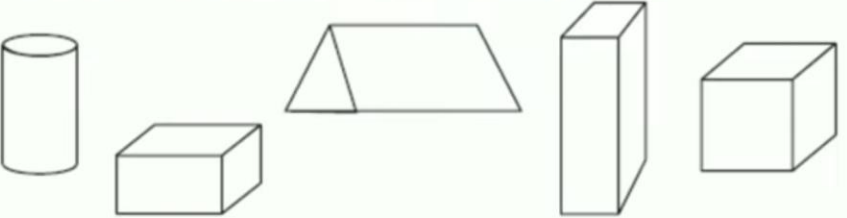
Choose correct answers

STUDY TIME

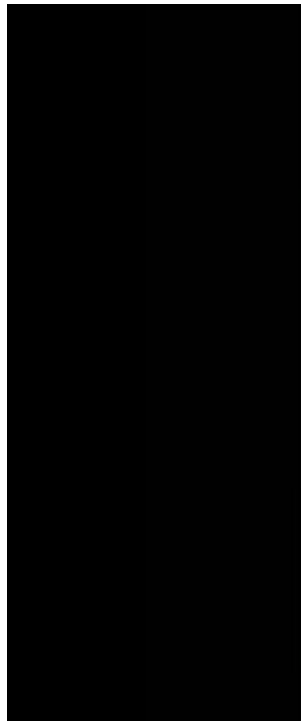
✦ Which of these are the faces of a brick? Mark a ().



✦ Which of these is a drawing of a brick? Mark a ().

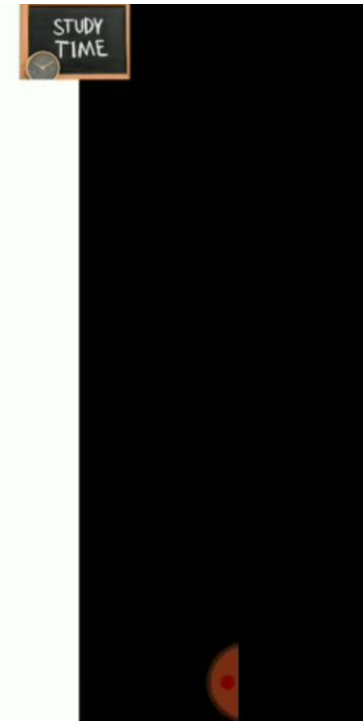
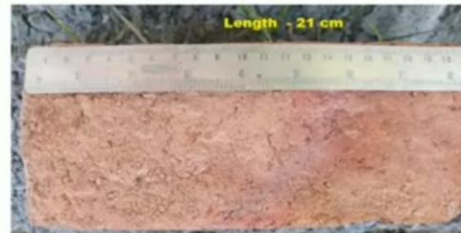


Size and width of bricks



The Size of a Brick

- How long is it?
- How wide is it?



Height of bricks

- How high is it?

If u want to make a wall 1 metre long. How many bricks will you need to put in a line?

5



Which wall will be stronger



Which wall will be stronger?



Zainab



Muniya



Match the following

Match

Now match the photo of each wall with the correct drawing below:

STUDY TIME

Shapes of walls



Types of Arches

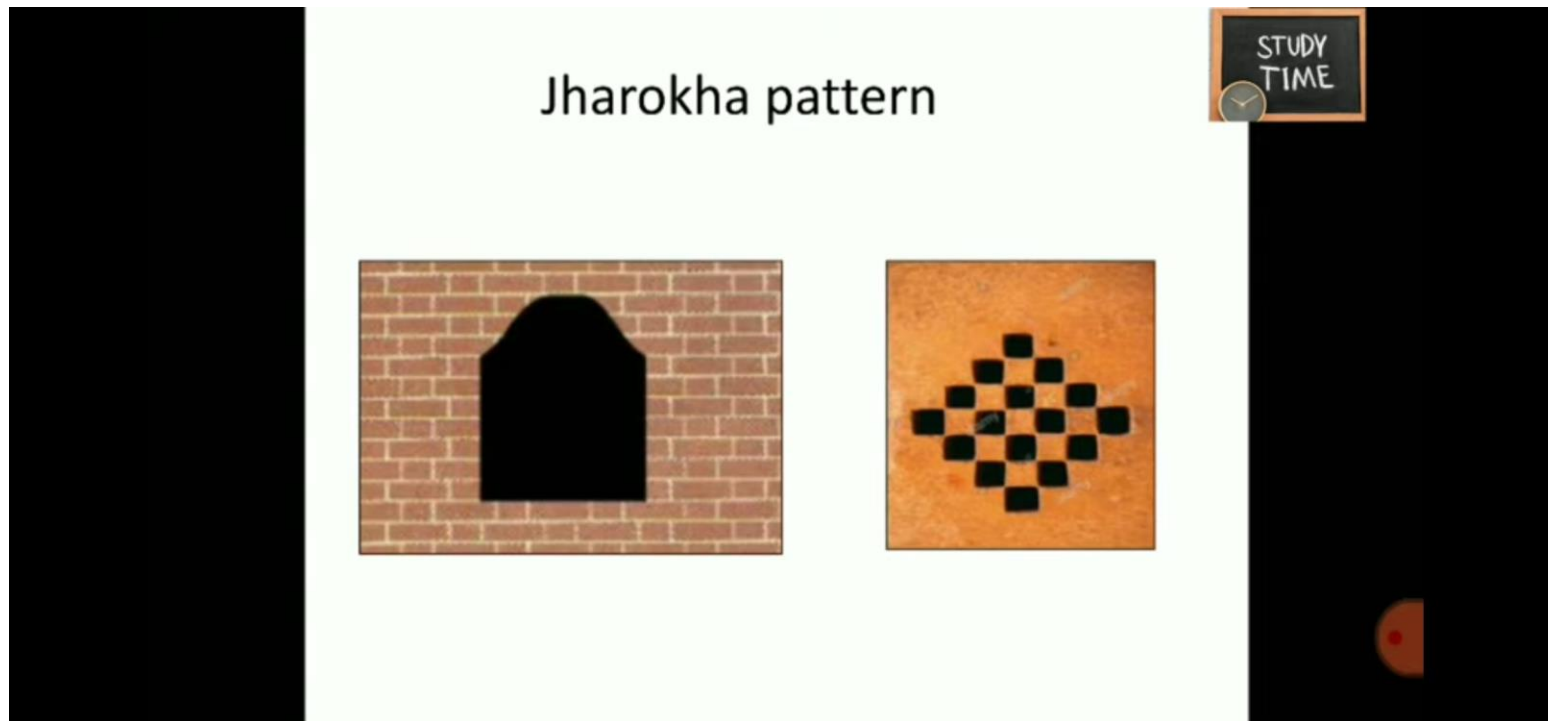
Arches



Red fort - Delhi

STUDY
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Jharokha patterns



Arches used in the bridge

Arches in the bridge

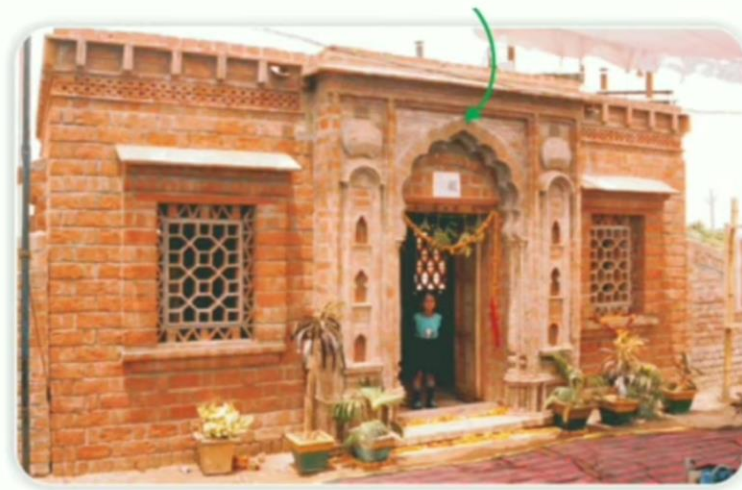


STUDY
TIME



A special kind of Arch

A Special Arch



STUDY
TIME

Brick kiln

Brick kiln



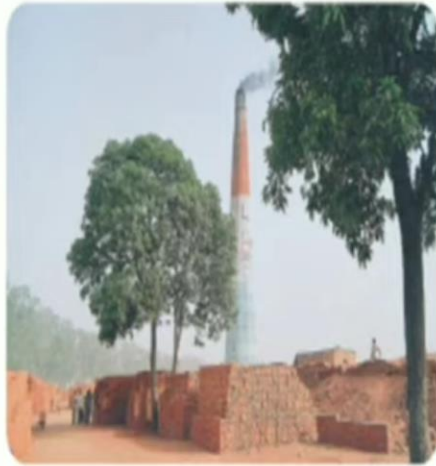
STUDY
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Mental Maths

Bricks and Bricks — Hot and Fresh!

Ganesh and Sahiba live near a kiln where bricks are made.



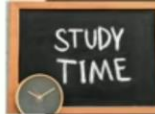
✦ Can you guess how high is the chimney here? Is it:

- a) about 5 metres?
- b) about 15 metres?
- c) about 50 metres?

STUDY
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Guess and Tell

Guess how many bricks are carried by this truck.



- 3000-5000 bricks in a truck

Mental Maths

Mental Math: Bhajan Buys Bricks

Bhajan went to buy bricks. The price was given for one thousand bricks. The prices were also different for different types of bricks.

Old bricks - Rs 1200 for one thousand bricks

New bricks from Intapur - Rs 1800 for one thousand bricks

New bricks from Brickabad - Rs 2000 for one thousand bricks

Bhajan decided to buy the new bricks from Brickabad. He bought three thousand bricks. How much did he pay? **Rs 2000 * 3 = Rs 6000**

✚ Guess what he will pay if he buys 500 old bricks.

$$\text{Rs } 1200 / 2 = \text{Rs } 600$$

STUDY
TIME

