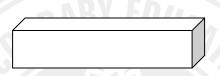


## Mathematics Class- 4 Chapter 1-Building with bricks



- Bricks is a small rectangular block typically made of fired or sundried clay

EDUCATION (S)

- It is used in construction works.
- It has 6 faces
- It has 12 edges.
- It has 8 vertices.
- Q1. How many faces in all does a brick have?

Ans. A brick has 6 faces in all.

Q2. Is any face a square?

Ans. No, all the faces of a brick are rectangular in shape.

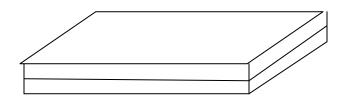
Q3. Draw the smallest face of the bricks.

Ans.

Q4. Which of these are the faces of a brick? Mark (  $\checkmark$  ) Ans: Q5. Which of these is a drawing of bricks? Mark ( 🗸 ) Ans.

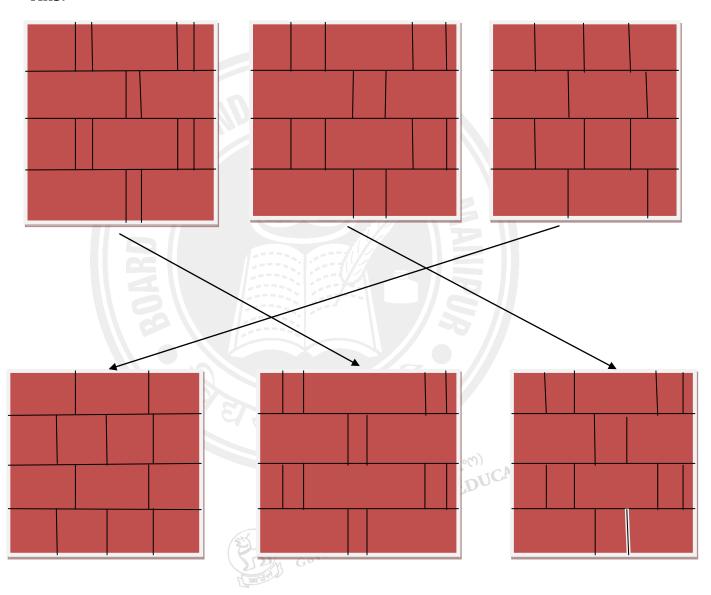
# Make a drawing of this box to show 3 of its faces

Ans:



Q8. Here are photos of three kinds of brick walls can you see the difference in the way the bricks are placed? Now match the photos of each wall with the correct drawing below?

Ans:



Q9. How many different jaali patterns can you see in these two photos?

Ans. We can see 5 jaali patterns in the two photos.

Q10. Where else have you seen an arch?

Ans. We can see arches in rainbow, bridges, tunnel etc.

- Q11. Take once brick and measure it.
- a) How long is it? 23 cm
- b) How wide is it? 11cm
- c) How high is it? 6cm
- Q12. Muniya wants to make a wall 1 metre long. How many bricks will she need to put in a line?

Ans. Let the length of each bricks =10cm

Length of the wall=1m [1m=100cm]

Number of bricks required to make 1m long wall

$$=100 \div 10$$

=10

The numbers of bricks required to make 1m long wall

- Q13. Can you guess how high is the chimney here? Is it
  - a) About 5 meters?
  - b) About 15 meters?
  - c) About 50 meters?

Ans. The chimney in the picture is about 50 meters high.

Q14. Bhajan went to buy bricks. The price was given for one thousand bricks. The prices were also different for different types of bricks.

EDUCATION (S)

Old bricks - Rs.1200 for 1000 bricks.

New bricks from Intapur - Rs. 1800 for 1000 bricks.

New bricks from Brickbad - Rs.2000 for 1000 bricks.

Bhajan decided to buy the new bricks from Brickbad. He bought three thousand bricks. How much did he paid?

Ans. Bhanjan brought 3000 bricks from Brickbad.

Cost of one new brick from Brickbad

 $= Rs. 2000 \div 1000 = Rs 2$ 

Cost of 3000 new bricks from Brickbad

=Rs. 2 X 3000= Rs. 6000.

Q10.Guess what he will pay if he buys 500 old bricks?

Ans. Cost of one thousand old bricks

= Rs. 1200.

Cost of 500 old bricks = Rs.  $1200 \div 2$ 

=Rs.600

Thus, cost of 500 old bricks is Rs.600.

