

SANGEETA BAJAJ – PRT

K V PICKET

BUILDING WITH BRICKS

Chapter – 1

CLASS 4 - MATHS

OBJECTIVE

❖ BRICK PATTERN

- FLOOR
- WALL
- JHAROKHA (WINDOW)
- JAALI

❖ ARCH

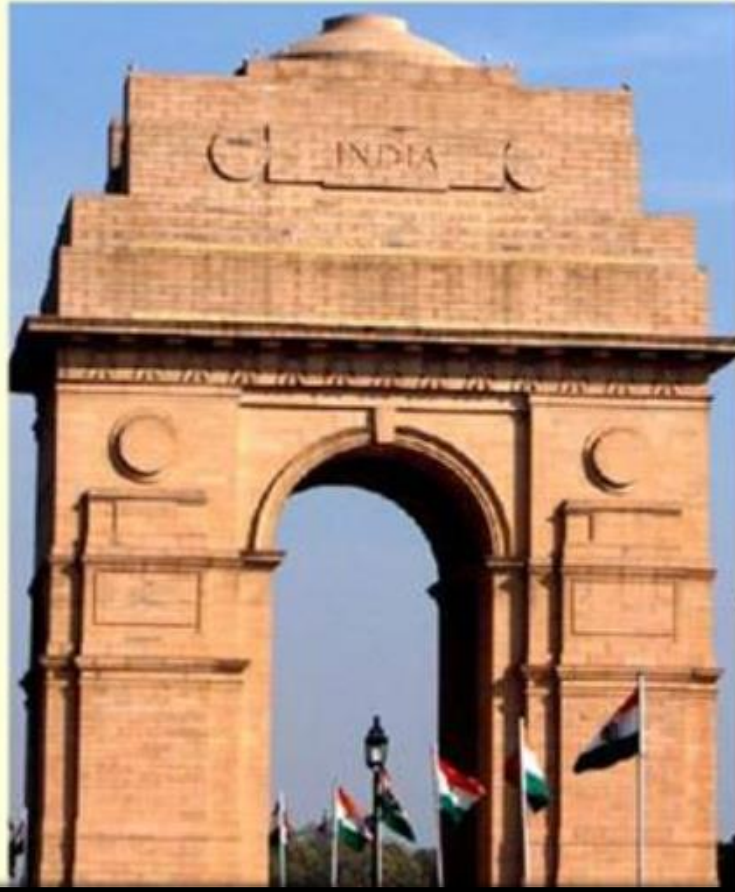
❖ MAKING OF A BRICK

❖ PRACTISE EXERCISE

❖ REFERENCES

Do you identify this building ?

Yes it is INDIA GATE



FLOOR BRICK PATTERN - 1



BRICK PATTERN - 2



BRICK PATTERN - 3



BRICK PATTERN - 4



BRICK



BRICK TEXTURE



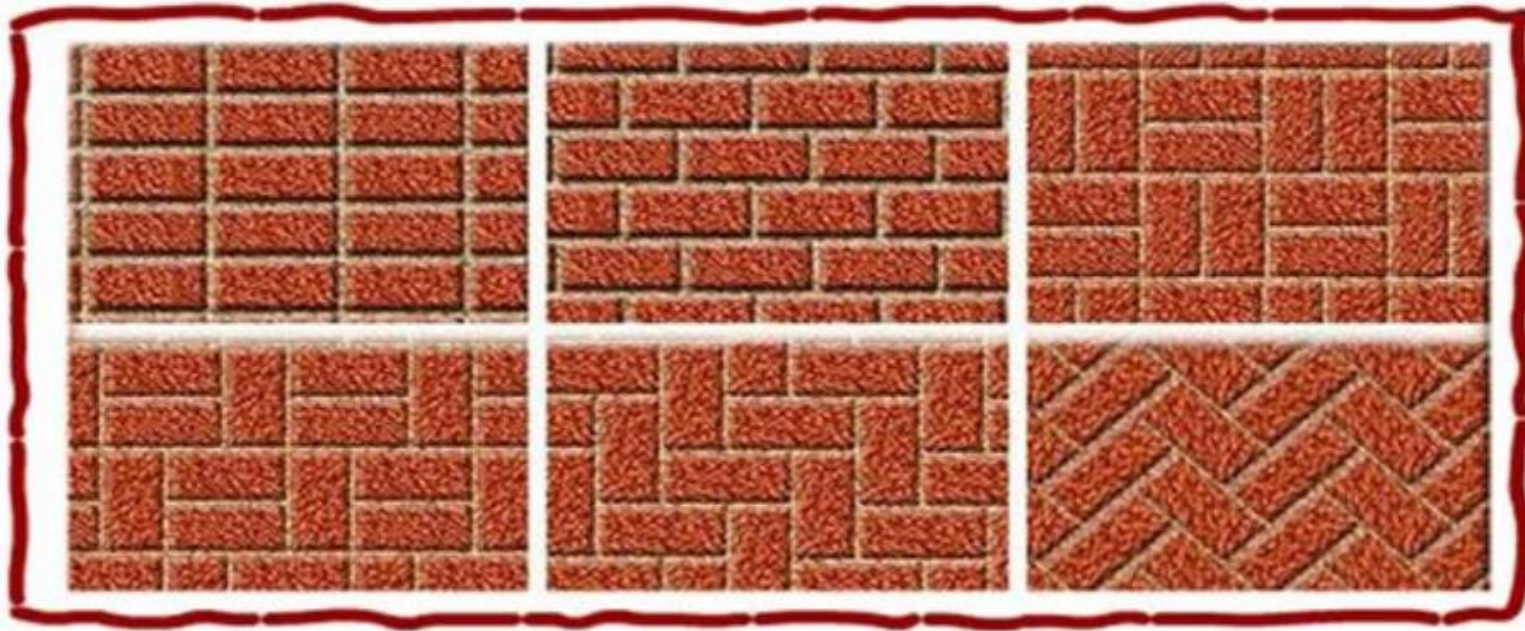


**THESE
RECTANGULAR
BRICKS ARE PUT
INTO SO MANY
DIFFERENT
PATTERNS**

- These walls are made in different patterns. On each wall the bricks are placed differently.



Different wall patterns



THESE BRICK WALLS ARE MADE IN DIFFERENT PATTERNS. ON EACH WALL THE BRICKS ARE PLACED DIFFERENTLY.

See the
different 'jaali'
patterns on
the walls.



Do you see the 'jharokha' in this picture?

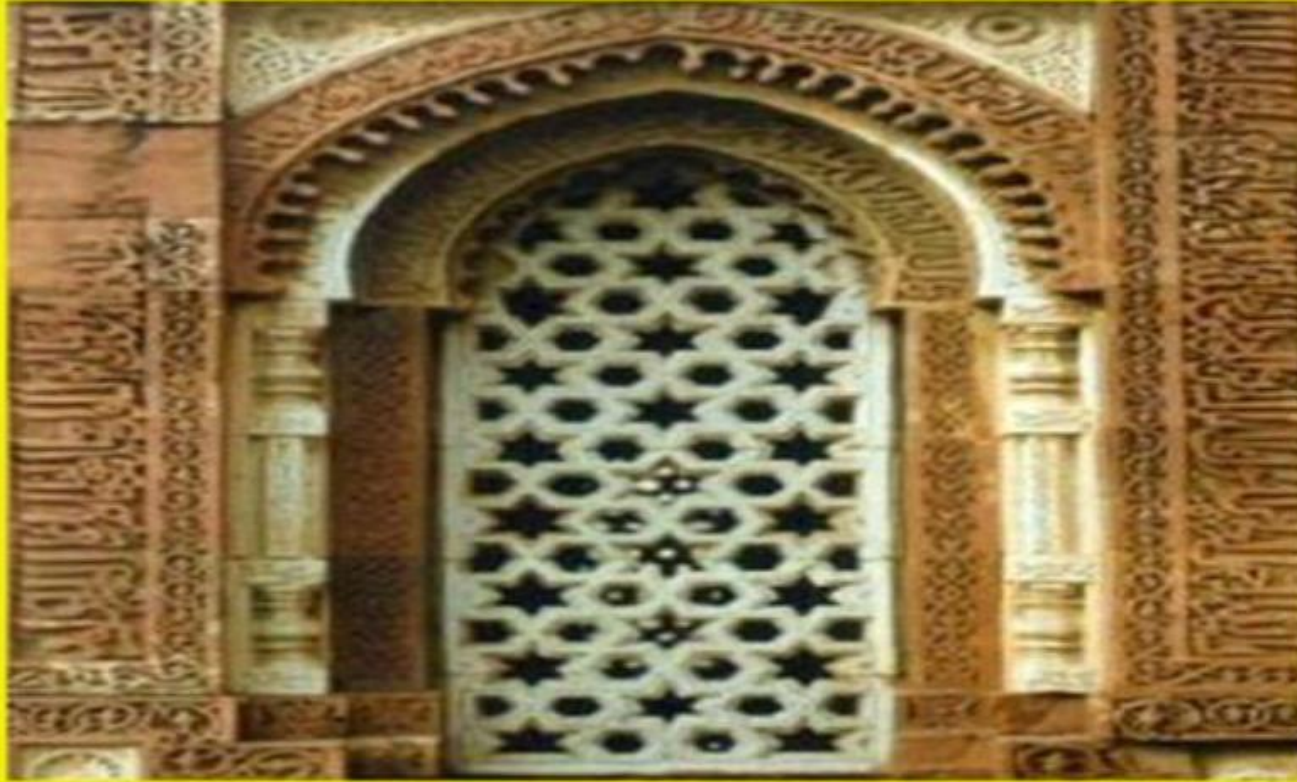


Jaali



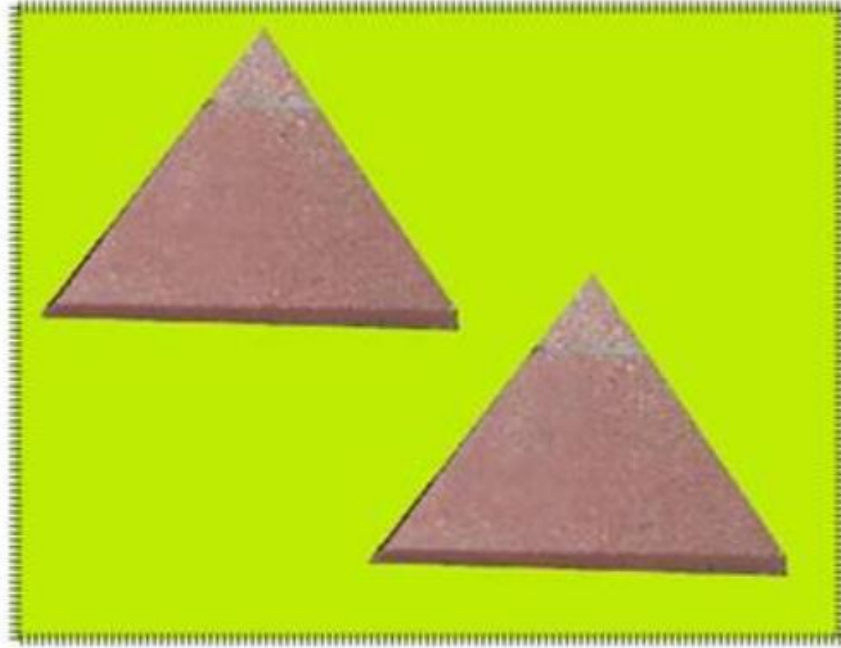
THE MASONS WHO HAD BUILD THESE FORTS, PALACES AND MONUMENTS HAD ALSO MADE DIFFERENT JAALI PATTERNS ON THE WALLS.

Jharokha



**THIS IS A
JHAROKHA
PATTERN ON
THE WALL. THIS
SPECIAL
PATTERN IS
KNOWN AS
JHAROKHA.
WHICH MEANS
WINDOW.**

Jharokha Triangle bricks



FOR MAKING
JHAROKHA
TRIANGLE
BRICKS ARE
USED.



See how the edge of the bricks is used to make a triangle in the wall.



ARCH

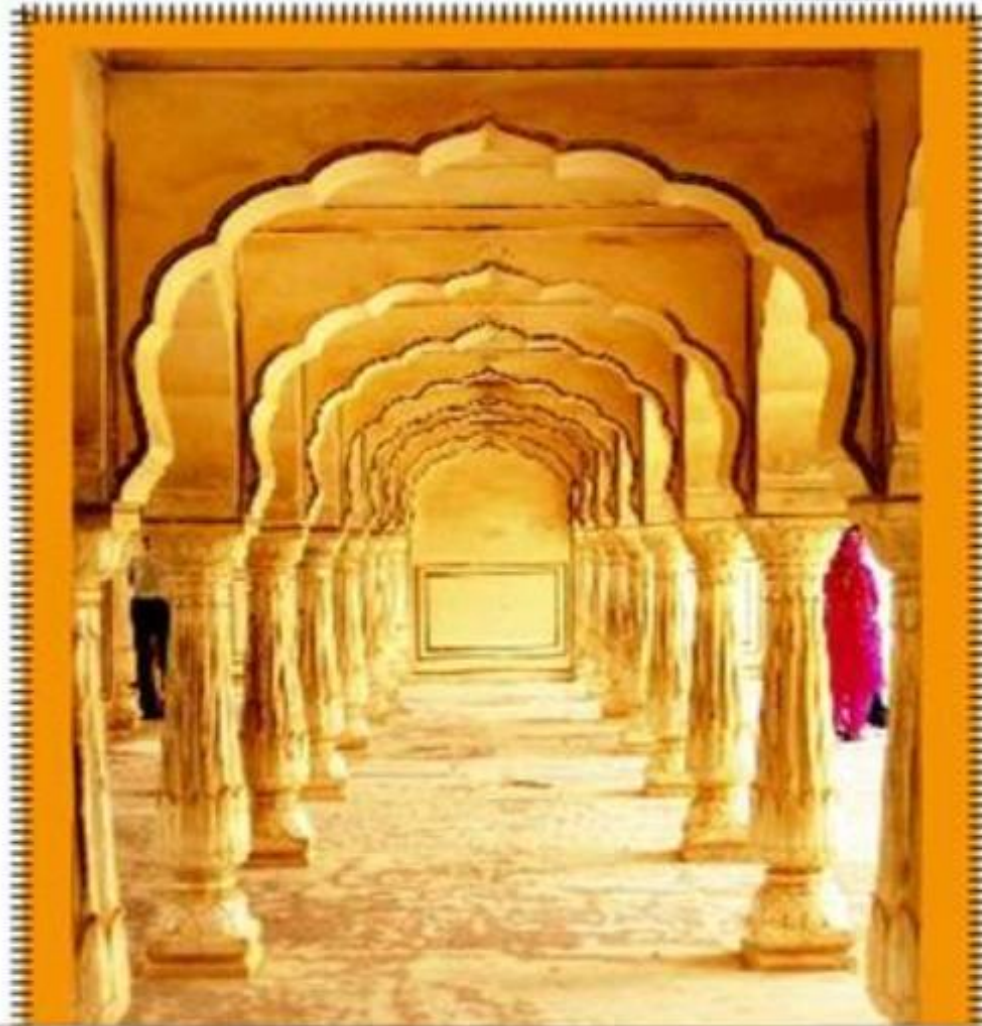
Have you seen bridges built in this shape?
This is the arches in a bridge.



These are some arches in a building.



A special arch



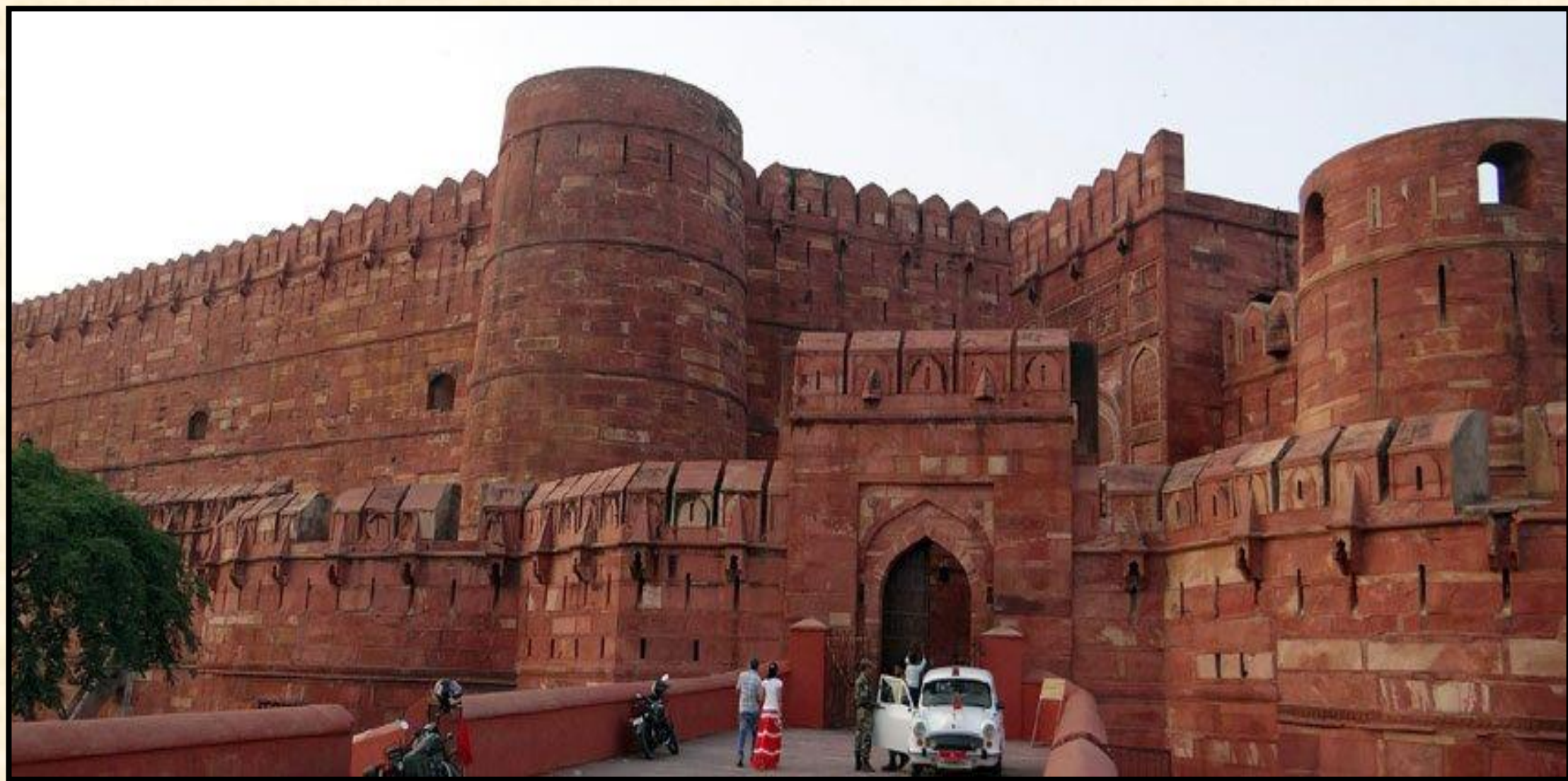
Brick kiln



**A BRICK IS
MADE OUT OF
SOIL DUG FROM
THE EARTH. IT IS
THEN MADE
INTO DIFFERENT
PATTERNS AND
THEN BAKED.**

BRICK STRUCTURES







PRACTISE EXERCISE



Q.:-How many faces in all does a brick have?

ANSWER :- 6

QUESTION

RAVI WENT TO BUY BRICKS. THE PRICE WAS GIVEN FOR 1 THOUSAND BRICKS. THE PRICES WERE ALSO DIFFERENT FOR DIFFERENT TYPES OF BRICKS.

OLD BRICKS – RS 1200 FOR 1 THOUSAND BRICKS.

NEW BRICKS FROM INTAPUR – RS 1800 FOR 1 THOUSAND BRICKS.

NEW BRICKS FROM BRICKABAD – RS 2000 FOR 1 THOUSAND BRICKS.

RAVI DECIDED TO BUY THE NEW BRICKS FROM BRICKABAD. HE BOUGHT 3 THOUSAND BRICKS. HOW MUCH DID HE PAY?

Answer: Cast of 1000 bricks = Rs 2000

Cast of 3000 bricks = Rs 2000

$$\begin{array}{r} 2000 \\ \times 3 \\ \hline 6000 \\ \hline \end{array}$$

\therefore He paid Rs 6000 for three thousand bricks.

- **REFERENCES**

www.pebbleskids.com

<https://powerprt.wordpress.com/maths-ppts/>

www.periwinkle.com

<https://www.slideserve.com/contactmestudiesto/day/ncert-solutions-class-4-mathematics>

THANK YOU