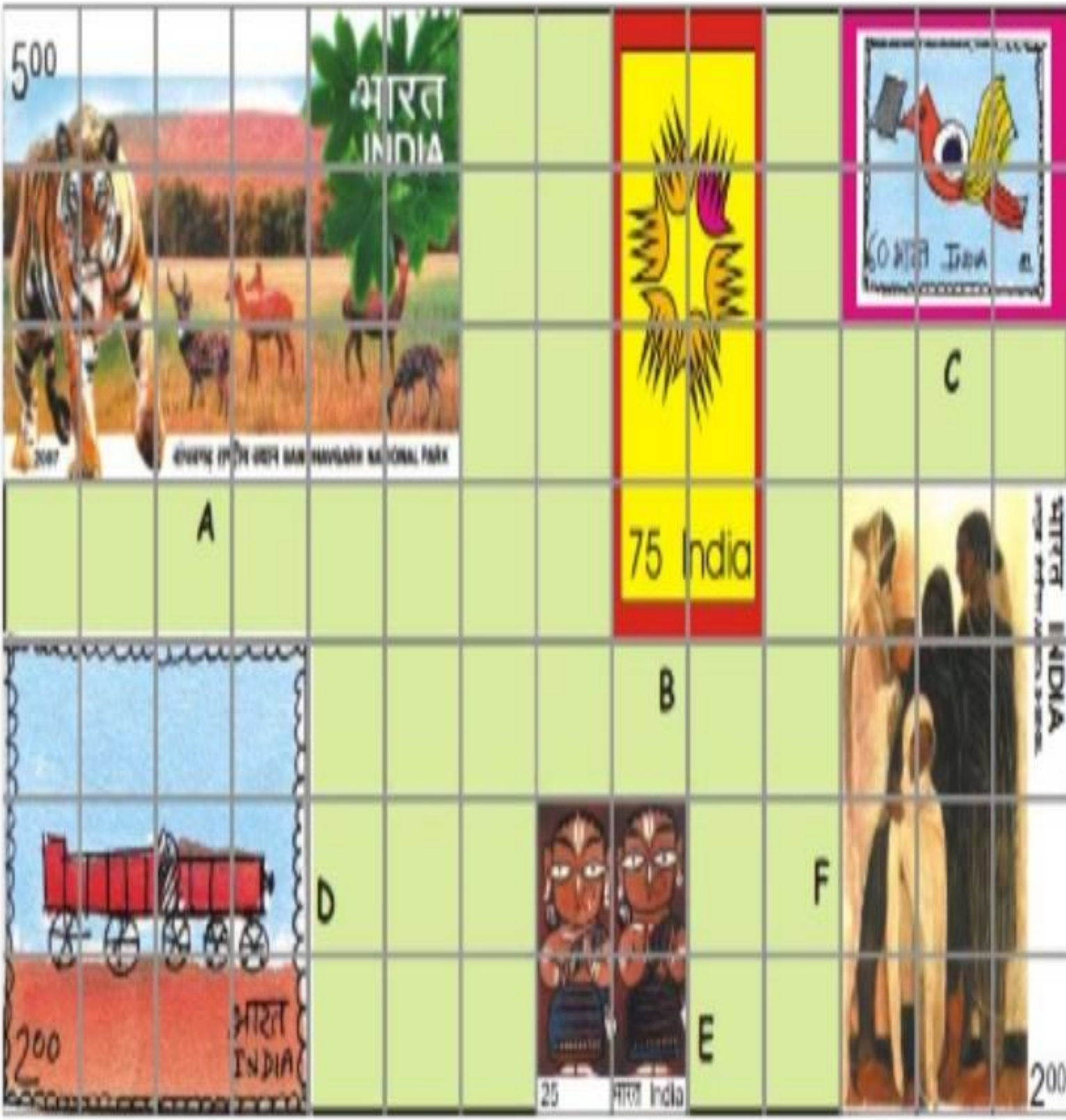
Class:- 5

Subject:- Maths

Chapter:- 03

(How Many Squares ?)

PART :- (B)


500
भारत
INDIA
A
75 India
C
B
D
F
E
200
भारत
INDIA
25
भारत India
200

Stamp D covers 12 squares. Each square is of side 1 cm. So the area of stamp D is 12 square cm.

Look at these interesting stamps.

(a)How many squares of one centimetre side does stamp A cover?

Ans. Area = length x breadth

= 6 x 3 = 18 square cm

•And stamp B?

Ans. Area = length x breadth

= 4 x 2 = 8 square cm

(b)Which stamp has the biggest area?

Ans. Stamp A has the biggest area.

•How many squares of side 1 cm does this stamp cover?

Ans. This stamp covers 18 squares of side 1 cm.

•How much is the area of the biggest stamp?

Ans. 18 square cm.

(c)Which two stamps have the same area?

Ans. Stamp D and F have the same area.

•How much is the area of each of these stamps?

Ans. The area of stamp D and F each is 12 square cm.

(d)The area of the smallest stamp is —— square cm.

Ans. 4 square cm

•The difference between the area of the smallest and the biggest stamp is ———square cm.

Ans. Area of biggest stamp – area of smallest stamp

= 18 – 4 = 14 square cm.

Extra Questions

Q:- (1) Find the perimeter of the square in which side is:-

(a) 9cm

(b) 12cm

Solution:-

(a) Perimeter of square

$= 4 \times$ side

$= (4 \times 9)$ cm

$= 36$ cm.

(b) Perimeter of square

$= 4 \times$ side

$=(4\times12)$ cm

$= 48$ cm.

Q:- (2) Find the perimeter of rectangle whose:-

(a) Length=5cm, Breadth=4cm

(b) Length =11m, Breadth=7m

Solution:-

(a) Perimeter of rectangle

$=2\times(l + b)$

$= 2\times(5+ 4)$ m

$= (2\times9)$

$= 18$ m

(b)Perimeter of the rectangle

$= 2\times(l + b)$

$= 2\times (11+7)$

$= (2\times18)$ m

$= 36$ m

Q:- (3) Find the area of the square in which side is:-

(a) 40cm

(b) 25 m

Solution:-

(a)Area of square

= side×side

= (40× 40) square cm.

= 1600 square cm.

(b) Area of square

= side × side

=(25 × 25) square cm.

= 625 square cm.

Q:- (4) Find the area of rectangle whose:-

(a) Length =20 cm.,
Breadth= 15cm.

(b) Length= 10m
Breadth= 8m

Solution:-

(a) Area of the rectangle
= Length×Breadth
= (20×15) square cm.
= 300 square cm.

(b) Area of the rectangle

= Length×Breadth

= (10×8) square m.

= 80 square m.

Q:- (5) Find the cost of painting a wall of length 80 m and breadth 15 m at the rate of Rs 4per square m.

Solution:-

Area of wall

= length × breadth

= (80 × 15) square m.

= 1200 square m.

Cost of painting the wall

= 1200 × 4

= Rs. 4800

Q:- (6) Find the number of bricks to be laid in a square path of side 18cm. , if the side of each square brick is 3 cm.

Solution:-

Area of path

= (18×18) square cm

Area of each brick

= (3 × 3) square cm

Number of bricks

Area of path

= ----------

Area Of each brick

18 × 18

=----------

3 × 3

= 36

Q:- (7) What will be the labour charge for tiling a hall 22m long and 17 m wide at the rate of Rs. 8 square m.?

Solution:-

Area of Hall

= length × breadth

= (22 × 17) square m.

= 374 square m.

Cost of the labour charge for tiling = Rs (374 × 8)

= Rs 2992

Q:- (8) Find the cost of painting a square board of side 30cm. at the rate of Rs 7 per square m.?

Solution:-

Area of square board

= side × side

= (30× 30) square cm.

= 900 square cm.

The cost of painting a square board =Rs 900 × 7

= Rs. 6300