

CH -1 BUILDING WITH BRICKS

TEACHER'S EXPLANATION

Pg. no: 1 Teachers Explanation

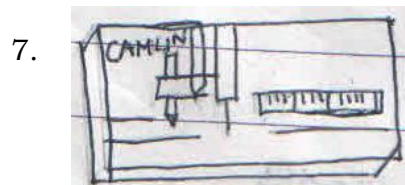
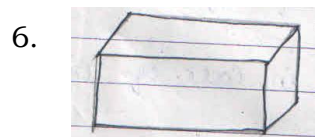
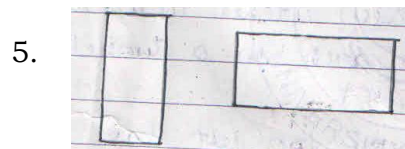
Pg. no: 2 Student's Corner and Teacher's Explanation

Pg. no: 3 (In Textbook)

1. Ans: Pattern J is not made in a circle.
2. Ans: In pattern H, we can show mirror halves.
3. Students Corner.

Pg. no: 4 (In text book)

1. Encircle photo showing three faces.
2. A brick has 6 faces.
3. No face of a brick is a square.



8. No, We cannot make a drawing of a brick showing 4 of its faces.

Pg. no: 5 (In Text book)

1. Zainab wall will be stronger.

Different wall patterns

Ans: (a) → (III), (b) ↔ (I) and (c) ↔ (II) (Matching)

Pg. no: 6 (Text book)

1. Ans: Five difference 'Jaali' pattern can be seen in these two photos.

Pg. no: 7

1. Student's Corner
2. Student's Corner

Pg. no - 8 - Student's Corner

Pg. no -9 (In text book)

1. Ans: Yes, I have seen arches in a bridge.
2. Ans I have seen an arch in a tunnel Pg. no-10 (In text book)

1. Ans: Brick 1 and 2 from the top left have curved edges.
2. Ans: Two faces are seen in case of the longest brick.
3. Ans: No

1. Find out: The size of a brick (approximation)

- a. It is 9 inches in length.
- b. It is 4 ½ inches wide.
- c. It is 3 inches high.

2. Ans: As 1 metre= 39.37 inches so Muniya needs more than 4 bricks but less than 5 bricks to make a wall 1 metre long.

Bricks and Bricks – Hot and Fresh.

1. Ans (c) About 50 metres.

Pg. no-11 (In text book)

1. Write the correct order – C, D, B, A.
2. Student's Corner.

Pg. no-12

1. Student's Corner
2. It is written as 1,00,000.

Find out

1. (approximation) It is carrying around 5000 bricks.
2. 5000 bricks.

Mental Math: Bhajan Buys Bricks

1. a. Cost of new bricks from Brickabad

= Rs 2000 for one thousand Bricks

$$\begin{aligned}\text{Cost of three thousand Bricks} &= ₹ 2000 \times 3 \\ &= ₹ 6000\end{aligned}$$

Ans: Bhajan paid ₹ 6000 for bricks.

- b. Cost of old bricks = ₹ 1200 for one thousand Bricks

$$\text{Cost of 500 hundred Bricks} = \frac{1200}{2} = 600.$$

Ans: for 500 Bricks he will pay = ₹ 600.

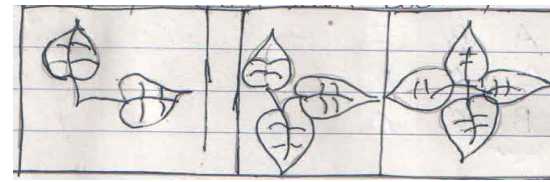
CH-10 PLAY WITH PATTERNS

Pg. no -107 (Teacher's Explanation)

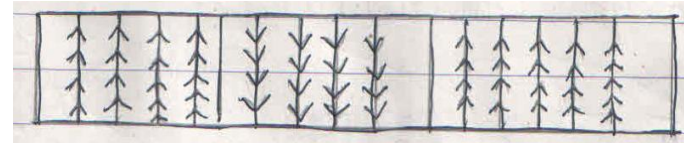
Pg. no- 108 (Student's Corner)

Pg. no- 109 (In text book)

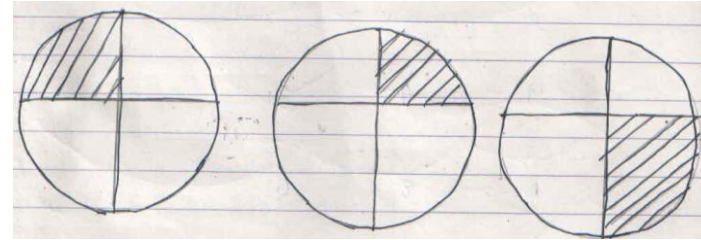
a.



b.



c.



2. NUMBER AND LETTER PATTERN

1. a. JKL, MNO, PQR
b. 25W, 24V, 23U
c. 564, 464, 364
d. 309, 409, 509

3. Write your own number pattern.

1. 101, 201, 301, 401, 501, 601
2. 012, 345, 678, 901, 234, 567

Pg.no – 110 (In Text book)

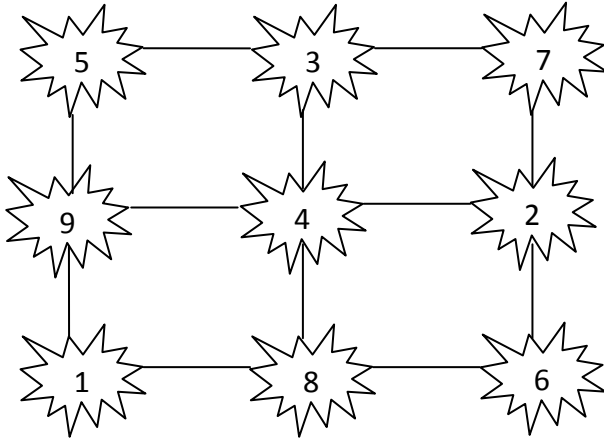
3. Make a pattern without numbers.

ABZ, CDY, EFX, GHW, IJV, KLU

No number comes Twice (In text book)

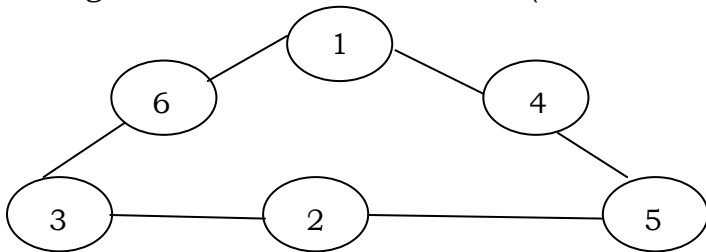
A	B	C
C	A	B
B	C	A

Pg.no - 111 (In text book)

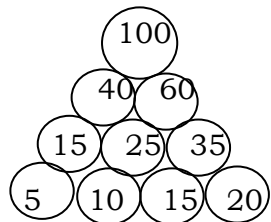


Pg= 112

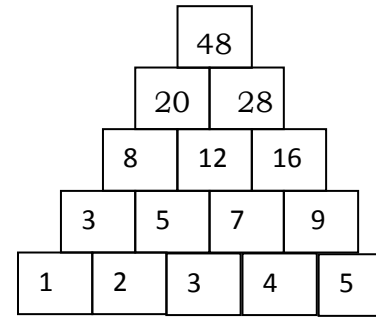
(In text book)



Number Towers (Teacher's Explanation)



- 5+10=15
- 15+20=35
- 15+25=45
- 25+35=60
- 40 +60=100



$1+2=3$

$8+12=20$

$2+3=5$

$12+16=28$

$3+4=7$

$4+5=9$

$3+5=8$

$5+7=12$

$7+9=16$

Pg. no- 113 (In text book)

The same sum rule.

21	22	23	24
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21	+	24	=	45
22	+	23	=	45

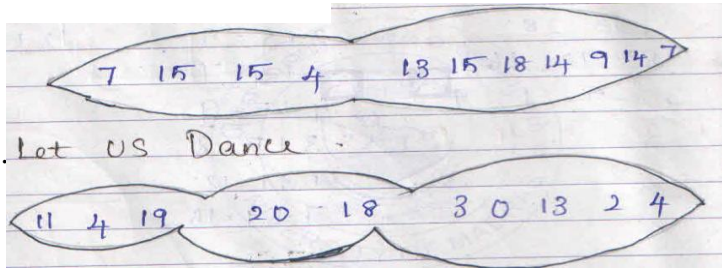
Pg. no- 114 (In text book)

- a. $1 + 2 + 3 + 4 + 5 = 15$
- b. $2 + 3 + 4 + 5 + 6 = 20$
- c. $3 + 4 + 5 + 6 + 7 = 25$
- d. $4 + 5 + 6 + 7 + 8 = 30$
- e. $5 + 6 + 7 + 8 + 9 = 35$

Pg. no- 115

Student's Corner

1. Teena will write

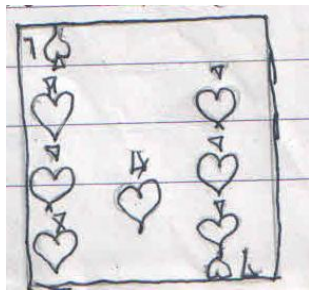


Pg. no- 116 (In textbook)

- a. WE ARE STUMPS.
- b. HELLO HOW ARE YOU? FINE THANK YOU
- c. WILL YOU PLAY WITH ME?
- d. NFFU NF PO UIF NPPO

Pg. no – 117 (In text book)

a.



b. yes

Pg. no- 118, 119 (student's Corner)

Pg. no- 162 (In text book)

- 1. 7 hours (approximation)
- 2. $30 \times 7 = 210$ hours.
- 3. approximation.

How many hours they watch TV or listen to the radio (in a week)	Number of children
More than 6 hours	1
Six hours	1
Five hours	1
Four hours	1
Three hours	3
Two hours	15
One hours	13

Zero hour (do not watch)

4

From your table (approximation)

Pg. no- 163

- a. 1
- b. 4
- c. 2
- d. 4

Which programme (approximation)

Family number	Programme they like	Programme they dislike
Mother	Movie	Sports
Father	Sports	Serials
Grand Mother	Religious	Sports
Grand Father	News	Serials
Uncle	News	Serials
Brother	Cartoons	Religions
Sister	Music	Serials

a. News

b. Serials

Pg. no-164 (in text book) (approximation)

Kind of programme	no. of children liking it	no. of children disliking it
News	3	17
Serials	5	15
Cartoons	19	1
Comedy shows	14	6
Sports	18	2

a. Cartoons

b. Cartoons

c. 18

d. No such programme

Pg. no- 165 (in text book)

a. The word "I"

b. The Letter "E"

c. "B" and "V"

Take a paragraph you like from your language text book. Read carefully and find out. Student's Corner.

Food we eat (Teacher's Explanation)

Pg. no- 66 (approximation)

Main food	Number of person
Rice	25
Wheat	20
Maize	10
Barley	5
Ragi	8

1. Rice

2. Less

3. Less

Pg - 167 (In text book)

a. 9 children

b. acting

c. Playing music

d. 6 children

Pg- 167, 168

Whose head is bigger. Student's Corner

Chapati chart (In class work) pg - 168, 169.

Ans: i) Number of students in the school = 200.

Half of the children are in the Games club

$$\text{So, } \frac{1}{2} \times 200 = 100$$

FIELDS AND FENCES

Pg. no- 149.

$$1. \text{ Length of the boundary} = 9\text{m} + 15\text{m} + 21\text{m} + 9\text{m} \\ = 54\text{m}$$

2. Pg. no- 150 (In text book)

The total length of wire = 70 m

Wire used by Rahmat for boundary = 54 m

Wire left = 70 m – 54m = 16m

So, Rahmat gave 16 m Wire to Ganpat.

3. Length of boundary of Ganpat's field.

$$= 15 + 15 + 9 + 18 + 9 = 66\text{m}$$

(b) Rahmat gave 16m wire to Ganpat

$$\text{Wire needed} = 66 - 16 = 50\text{m}$$

∴ Ganpat need 50m more wire to boundary his field.

Pg – 151 (In textbook)

1. a. Length of boundary = 15+6+15+24 = 60 metres.

b. Length of boundary = 6+3+6+6+12+9 = 42 metre.

c. Length of boundary = 9+12+15 = 36 metres

d. Length of boundary = 15+9+15+15+9+15 \\ = 78 metres

Therefore, field (d) has the longest boundary.

Pg. no – 152 (In Class work)

$$2. \text{ Length of boundary} = 150\text{m} + 150\text{m} + 100\text{m} + 100\text{m} \\ = 500\text{m}$$

$$\text{Distance covered by him} = 4 \times 500 \text{ m}$$

$$= 2000 \text{ metre} = 2\text{km}$$

ii) The games club has 100 members.

One – fourth of the children are in Garden club.

So, the garden club has $(200 \times \frac{1}{4}) = 50$ children.

The Garden club has 50 members.

iii) One – fourth of the children are in Drawing club.

$$\text{So, } \frac{1}{4} \times 200 = 50$$

There are 50 members in the Drawing club.

Getting wet in the Rain 169, 170

1. Three - fourth

2. One - fourth

$$3. \frac{3}{4} \times 28 = 21$$

$$4. \frac{1}{4} \times 28 = 7$$

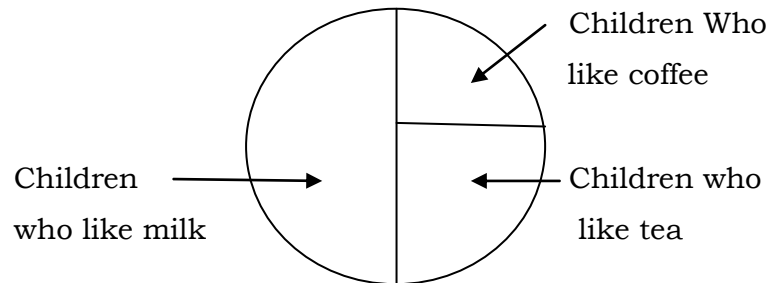
Tea, Coffee or Milk

1. 40

2. Children who like milk = $\frac{20}{40} = \frac{1}{2}$ of the total children.

3. Children who like Coffee = $\frac{10}{40} = \frac{1}{4}$ of the total children.

4.



3. a. Length of lace required = $50\text{cm} + 50\text{cm} + 150\text{cm} + 150\text{cm}$
 $= 400\text{ cm} = 4\text{m}$

b. For 1 table cloth, Lace required = 4m

So for 3 table cloths, lace require = $3 \times 4\text{m} = 12\text{m}$

c. Lace left in the roll = Total roll - lace used
 $= 100\text{m} - 12\text{m} = 88\text{m}$

∴ 88m lace is left in the roll.

Pg. no-153 (In textbook)

1. Number of squares in shape A is 4, in shape B is 6, in shape c is 5 and in shape D is 4.

(ii) Shape A and D covers the least number of squares.

(iii) Shape B has the most number of squares.

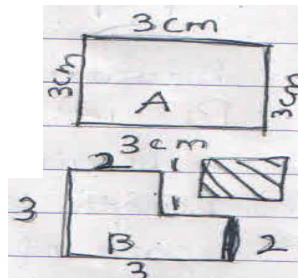
Pg - 153, 154 Classroom Activity

Pg - 155 (In Class work)

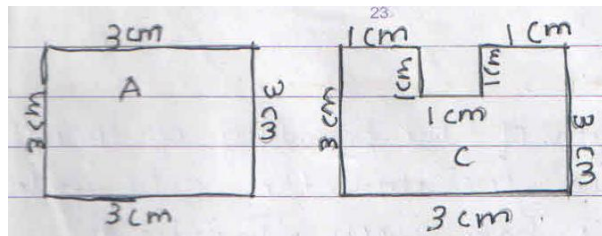
1. a. Boundary of B = $3 + 2 + 1 + 1 + 2 + 3$
 $= 12\text{m}$

Boundary of A = $3 + 3 + 3 + 3$
 $= 12\text{m}$

Boundary of B = Boundary of A = 12 m



b.

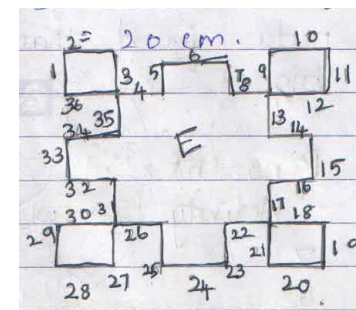
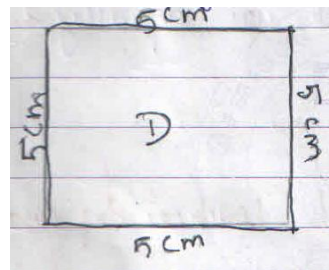


Boundary of C = $3 + 3 + 3 + 1 + 1 + 1 + 1 + 1$
 $= 14\text{ cm}$


∴ The boundary of shape C is 14 cm.

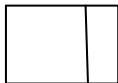
a. The boundary of shape D = $5 + 5 + 5 + 5$ (In text book)
 $= 20\text{ cm}$

b.



There are 36 edges measuring 1 cm of shape 'E' Hence, the boundary of shape E = $36\text{cm} \times 1\text{ cm} = 36\text{cm}$.

c. The boundary of this  = $1 + 1 + 1 + 1 = 4\text{cm}$.

So, we can say that the boundary of  = $4 \times 1\text{cm}$.

Pg. no- 156 (Class work)

3. Length of boundary of hockey field.

$= 91\text{ m } 40\text{ cm} + 55\text{m} + 91\text{m } 40\text{ cm} + 55\text{m}$
 $= (9140 + 5500 + 9140 + 5500)\text{ cm}$
 $= 29280\text{ cm}$
 $= 292\text{ m } 80\text{ cm}$

4. In text book,

a. The length of the boundary of inner circle is less than the outer circle

b. Yes I have seen. In order to make their running distance equal. School garden. Pg. no - 157 (In text book)

1. By calculating the length of the boundaries of both the gardens neetu found that both are equally big.

Pg. no -158, 159

Activity (In text book) Teacher's explanation

1. a. 7
b. 6
c. 1
2. a. No
b. 6
c. 6
d. same (or) equal
3. a. 6
c. No
d. Activity
4. a. b
b. Activity
c. Activity
d. Activity

Pg. no-160 (In text book)

5. a. 36
b. There are 6 column and 6 rows
So no. of square = $6 \times 6 = 36$
6. As, there are 4 rows and 8 columns.

$$4 \times 8 = 32 \text{ Squares}$$

7. Yes, it can be divided into 4 equal pieces. There are 12 squares in this picture,

$$\text{So, } \frac{12}{4} = 3$$

Pg - 161 Student's Corner.