

ANSWER SHEET

Exercise 1.1

- Five thousand seven hundred eighty two.
 - Seventy five thousand eight hundred and seventy nine.
 - Three lac eighty nine nine thousand eighty seven.
 - Twenty one lac thirty two thousand four hundred fifty two.
 - Seven crore sixty eight lac ninty two thousand seventy nine.
 - Fifty lac sixty thousand seven hundred ninty eight.
- 68,529
 - 89,079
 - 5,72,057
 - 90,90,990
 - 1,21,31,041
- Do your self.
- $>$
 - $<$
 - $<$
 - $>$
 - $>$
- $4835 < 5348 < 8435 < 13584 < 25843$
 - $1001 < 1010 < 1011 < 1100$
 - $50,050 < 50,500 < 50,505 < 55,555$
 - $5,86,85,376 < 5,86,85,378 < 5,86,95,306 < 5,86,95,376$
- $9,754 > 8,320 > 847 > 571$
 - $6,040 > 4,646 > 4,600 > 4,060$
 - $38,802 > 36,501 > 25,751 > 9,801$
 - $11,001 > 10,101 > 10,011 > 10,001$

Exercise 1.2

- 100
 - 1
 - 1000
 - 1
 - 1000 meter
 - 1000
- 5,76,994
- 30,167
- 34,029
- 62,964
- 42,935
- 24,660
- 12,385
- 1,36,836
- 3,000
- 600

Exercise 1.3

- 900
 - 5,900
 - 3,500
 - 2,500
- 1800
 - 20,300
 - 5,91,600
- 4,400
- 1600 cows
- 7 leter

Exercise 2.1

- 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
 - 1, 2, 3, 4, 6, 9, 12, 18, 36
 - 1, 2, 4, 7, 14, 28
 - 1, 2, 4, 5, 10, 20, 25, 50, 100
 - 1, 5, 25, 125
- 7, 14, 21, 28, 35
 - 12, 24, 36, 48, 60
 - 17, 34, 51, 68, 85
 - 15, 30, 45, 60, 75
 - 18, 36, 54, 72, 90

3. 11, 13, 17, 19, 23, 29 4. 2 5. 6, 12, 18, 30 6. 12, 24, 36
 7. (i) True (ii) False (iii) False (iv) False (v) True (vi) False (vii) True

Exercise 2.2

1. (i) $2 \times 2 \times 7$ (ii) $2 \times 3 \times 3 \times 3$ (iii) $2 \times 2 \times 2 \times 2 \times 2 \times 3$ (iv) $2 \times 2 \times 37$
 (v) $2 \times 2 \times 3 \times 13$
 2. $2 \times 2 \times 2 \times 5 \times 5 \times 5$
 3. (i) 1, 2, 3, 4, 6, 12 (ii) 1, 5 (iii) 1, 2, 3, 6 (iv) 1
 4. (i) 20, 40, 60 (ii) 24, 48, 72 (iii) 20, 40, 60 (iv) 45, 90, 135
 5. 6, 12, 18, 24, 30, 36, 42, 48

Exercise 2.3

1. (i) 12 (ii) 14 (iii) 13 (iv) 5 (v) 1
 2. (i) 1 (ii) 2 (iii) 1
 3. 5 meter 4. 4 liter 5. 18 meter

Exercise 2.4

1. (i) 30 (ii) 28 (iii) 108 (iv) 1008
 2. 30 3. 15 4. 24 past 6 5. 240
 6. 3 past 5

Exercise 3.1

1. (i) 56 (ii) 99 (iii) 304, 306 (iv) 0 (v) 0
 2. (i) 1,202 (ii) 2,405 (iii) 3,554 (iv) 4,443
 3. (i) 2,305 (ii) 3,612 (iii) 4,001 (iv) 5,061
 4. (i) 188,190 (ii) 198, 200 (iii) 208, 210 (iv) 299, 301 5. 0
 6. (i) True (ii) False (iii) True (iv) True (v) False
 (vi) False (vii) True (viii) False (ix) True (x) False
 (xi) True

Exercise 3.2

1. (i) 286 (ii) 296 (iii) 175 (iv) 186
 2. (i) 1,22,500 (ii) 79,000 (iii) 8,500 (iv) 20,000
 3. (i) 18,500 (ii) 120 (iii) 54,27,900 (iv) 120
 4. (i) 19,610 (ii) 38,480 (iii) 5,508 (iv) 1,59,264
 5. (i) (b) (ii) (a) (iii) (d) (iv) (c)
 8. (i) 13,938 (ii) 50,000 (iii) 21,280
 9. (i), (iv) 10. (i) d (ii) a

Exercise 4.1

1. (i) $+45^{\circ}\text{C}$ (ii) -10°C (iii) $+300$ Rupees (iv) -500 Rupees
 3. (i) $>$ (ii) $>$ (iii) $>$ (iv) $>$ (v) $<$ (vi) $>$
 4. (i) False (ii) False (iii) False (iv) True
 5. (i) $-4, -3, -2, -1, 0$ (ii) $-5, -4, -3$
 (iii) $-2, -1, 0, 1, 2$ (iv) $-10, -9, -8, -7, -6$
 6. (i) Ascending = $-7, -3, 3, 5$ (ii) Ascending = $-2, -1, 0, 3$
 Descending = $5, 3, -3, -7$ Descending = $3, 0, -1, -2$
 (i) Ascending = $-6, 1, 3$ (iv) Ascending = $-5, -1, -2, -4$
 Descending = $3, 1, -6$ Descending = $4, 2, -1, -5$

Exercise 4.2

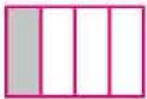
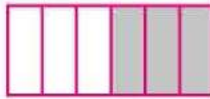
1. (i) 9 (ii) 0 (iii) -2 (iv) -5
 2. (i) 6 (ii) -7 (iii) +3 (iv) 0
 3. (i) 9 (ii) -10 (iii) -100 (iv) -650 (v) -10 (vi) -260
 4. (i) -92 (ii) -81 (iii) 50 (iv) 91

Exercise 4.3

1. (i) 20 (ii) -8 (iii) 6 (iv) -15 (v) 33 (vi) -49
 2. (i) 5 (ii) (-7) (iii) 0 (iv) (-4) (v) (-2) (vi) -4
 3. (i) $<$ (ii) $=$ (iii) $>$ (iv) $>$
 4. (i) 0 (ii) -11 (iii) 8 (iv) -28

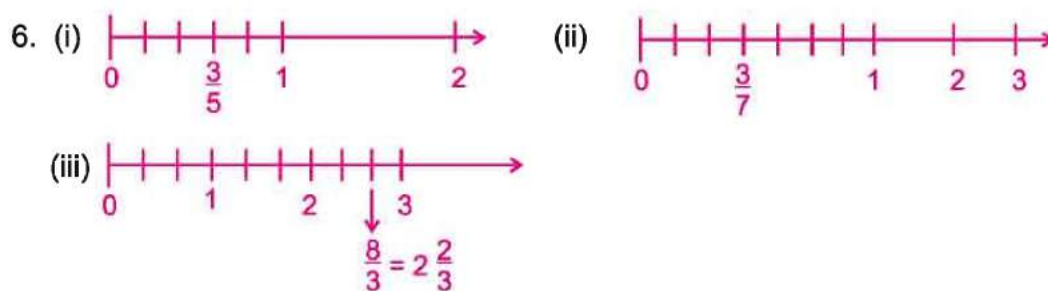
Exercise 5.1

1. (i) $\frac{2}{4} = \frac{1}{2}$ (ii) $\frac{2}{3}$ (iii) $\frac{3}{5}$

2. (i)  (ii)   (iii) 
  

(Through different figures one can represent fraction numbers.)

3. $\frac{7}{12}$ hours 4. $\frac{7}{15}$ 5. (i) $\frac{3}{4}$ (ii) $\frac{6}{10} = \frac{3}{5}$ (iii) $\frac{2}{3}$



7. (i) $6\frac{2}{3}$ (ii) $2\frac{1}{3}$ (iii) $3\frac{1}{6}$
 8. (i) $\frac{23}{3}$ (ii) $\frac{23}{4}$ (iii) $\frac{9}{2}$

Exercise 5.2

1. (i) Yes (ii) No 2. (i) 14 (ii) 3 (iii) 12 (iv) 1 (v) 3
 3. (i) $\frac{18}{24}$ (ii) $\frac{15}{20}$ (iii) $\frac{24}{32}$ (iv) $\frac{9}{12}$
 4. (i) $\frac{5}{9}$ (ii) $\frac{6}{7}$ (iii) $\frac{3}{7}$ (iv) $\frac{1}{12}$
 5. (i) d (ii) f (iii) h (iv) g (v) e (vi) c (vii) i
 (viii) b (ix) j (x) a

Exercise 5.3

1. (i) Descending – $\frac{7}{8} > \frac{5}{8} > \frac{3}{8} > \frac{2}{8}$ Ascending – $\frac{1}{8} < \frac{2}{8} < \frac{3}{8} < \frac{5}{8}$
 (ii) Descending – $\frac{5}{6} > \frac{4}{6} > \frac{3}{6} > \frac{1}{6}$ Ascending – $\frac{1}{6} < \frac{3}{6} < \frac{4}{6} < \frac{5}{6}$
 2. (i) $\frac{5}{6} > \frac{9}{11}$ (ii) $\frac{3}{4} > \frac{1}{5}$ (iii) $\frac{3}{5} > \frac{3}{7}$
 3. Group 1 $\frac{2}{12} = \frac{10}{60} = \frac{12}{72} = \frac{16}{96}$ Group 2 $\frac{3}{15} = \frac{10}{50} = \frac{15}{75} = \frac{18}{90}$ Group 3 $\frac{8}{50} = \frac{16}{100} = \frac{12}{75} = \frac{4}{25}$
 4. (i) No (ii) No (iii) Yes (iv) No
 5. Equal number students got first division in the both classes.
 6. Rohini

Exercise 5.4

1. (i) $\frac{7}{19}$ (ii) $\frac{1}{2}$ (iii) $\frac{49}{23}$ (iv) $\frac{11}{14}$ (v) $\frac{169}{60}$ (vi) $\frac{193}{30}$ (vii) $\frac{23}{3}$ (viii) $\frac{326}{35}$

2. $\frac{1}{2}$ 3. $\frac{14}{15}$ 4. 5 Km 5. $\frac{5}{2}$ Leter or $2\frac{1}{2}$ Leter 6. Completely in 1 wall

Exercise 5.5

1. (i) $\frac{4}{5}$ (ii) $\frac{13}{35}$ (iii) $\frac{33}{10}$ (iv) $\frac{65}{12}$ (v) $\frac{7}{12}$ (vi) $\frac{1}{10}$

2. $\frac{5}{28}$ leter 3. $\frac{1}{2}$ m 4. $\frac{1}{3}$ Part 5. $\frac{17}{10}$ Kg 6. Geeta, $\frac{1}{4}$ minute

7. (i)

		+	
		→	
↓			
	2	4	6
	5	5	5
	1	2	3
	5	5	5
	1	2	3
	5	5	5

(ii)

		+	
		→	
↓			
	1	1	8
	3	5	15
	1	1	11
	5	6	30
	2	1	1
	15	30	6

Exercise 6.1

1. (i) 12.3
(ii) 13.7
(iii) 251.2

2.

	H	T	U	O.T
(i)		1	9	4
(ii)			0	5
(iii)		1	0	9
(iv)	2	0	5	9

3. (i) 0.7 (ii) 20.4 (iii) 14.9 (iv) 600.3
4. (i) 0.3 (ii) 4.8 (iii) 358.1 (iv) 90.3 (v) 1.5 (vi) 0.4 (vii) 4.5 (viii) 3.6
5. (i) $\frac{3}{5}$ (ii) $\frac{5}{2}$ (iii) $\frac{14}{5}$ (iv) $\frac{137}{10}$ (v) $\frac{106}{5}$ (vi) 1 (vii) $\frac{32}{5}$
6. (i) 0.2 cm (ii) 3 cm (iii) 11.6 cm (iv) 5.2 cm (v) 9.5 cm (vi) 19.1 cm
7. (i) In between 0 and 1 (ii) In between 5 and 6 (iii) on 9 (iv) In between 4 and 5
(v) In between 3 and 4



9. 9.5 cm 10. 1.6 cm

Exercise 6.2

1. (i) 230.057 (ii) 1.305 (iii) 253.505 (iv) 340.120 (v) 13.030
2. (i) 23.306 (ii) 0.736 (iii) 137.06 (iv) 703.053 (v) 0.307 (vi) 0.19
3. (i) One decimal two zero (ii) One hundred eight decimal five six.
(iii) Ten decimal seven five six (iv) Six decimal zero one.
4. (i) $\frac{9}{50}$ (ii) $\frac{1}{4}$ (iii) $\frac{33}{500}$ (iv) $\frac{2}{5}$
5. (i) $0.4 > 0.04$ (ii) $3 > 0.7$ (iii) $0.999 > 0.19$ (iv) $5.64 > 5.603$
6. (i) 0.05 Rupees (ii) 0.75 Rupees (iii) 0.80 Rupees (iv) 0.50 Rupees
7. (i) 70.005 Km (ii) 0.088 Km (iii) 0.8 Km
8. (i) 8.515 (ii) 315.29 (iii) 13.175 (iv) 69.12 (v) 3.03 (vi) 1.34
9. 118.270 Kg
10. 8.300 Km
11. 16.25 m
12. 2 K 100 gram



Exercise 7.1

1. (i) 164 (ii) 182 (iii) 1351
 (iv) 814 Rupees 11 Paise (v) 162 km 131 meter (vi) 227 Kg 48 gram

Exercise 7.2

1. (i) 48 (ii) 28 (iii) 289
 (iv) 267 (v) 18 Rupees 67 Paise (vi) 68 meter 55 cm
 (vii) 155 kg 887 gram

Exercise 7.3

1. (i) $1\bar{2}$ (ii) $3\bar{3}$ (iii) 122 (iv) $1\bar{2}\bar{2}$ (v) $10\bar{4}$

Exercise 7.4

1. (i) 25 (ii) 46 (iii) 128 (iv) 458 (v) 577

Exercise 7.5

1. (i) 14 (ii) 31 (iii) 23 (iv) 09 (v) 28

Exercise 7.6

1. (i) 47 (ii) 687 (iii) 164 (iv) 287

Exercise 7.7

1. (i) 156 (ii) 209 (iii) 195 (iv) 56 (v) 54 (vi) 96
 (vii) 10608 (viii) 11342 (ix) 12208 (x) 8918 (xi) 9024
 (xii) 10192 (xiii) 7905

Exercise 7.8

1. (i) Quotient = 1, Remainder = 35 (ii) Quotient = 45, Remainder = 01
 (iii) Quotient = 3, Remainder = 10 (iv) Quotient = 12, Remainder = 02
 (v) Quotient = 11, Remainder = 02 (vi) Quotient = 38, Remainder = 02

Exercise 8.1

1. (i) XY (ii) AC, AB, BC (iii) PQ, QR, RS
 (iv) UV, VW, WX, XY, YZ

Exercise 8.2

1. Parallel lines = AB, CD, and MN, SN
 Intersecting lines = XY, WZ and PQ, RS
 2. Collinear lines 3. Do yourself
 4. $PQ \perp QR$, $XY \perp PQ$, $AB \perp BC$

Exercise 8.3

1. (i) $\angle 1$ = obtuse angle (ii) $\angle 2$ = Right angle
 (iii) $\angle 3$ = Acute angle (iv) $\angle 4$ = Reflex angle
 2. (i) d (ii) c (iii) $\cdot$ (iv) b (v) e

Exercise 8.4

1. Radius = OS
 Diameter = AB
 Chord = PR
 Center = O
 2. (i) True (ii) False
 (iii) True (iv) True
 (v) False
 3. Shaded ACB = Circle Segment
 Shaded EOD = Sector Segment



Exercise 9.1

- Open figure (i), (vi) and Close figure (ii), (iii), (iv), (v)
- O
- (i) PQR (ii) S, L, U, T (iii) Yes

Exercise 9.2

- Do your self
- (i) Right angle (ii) Acute Angle (iii) Obtuse Angle
- (i) Equilateral Triangle (ii) Scalene Triangle (iii) Isosceles Triangle
- (i) 5 triangle write the names your self (ii) 4 triangle write the names your self
- (i) Obtuse Angle (ii) Acute Angle (iii) Right angle
- (i) Scalene (ii) Isosceles (iii) Equilateral
- (i) Right (ii) Wrong (iii) Wrong (iv) Right (v) Right

Exercise 9.3

- (i) Write the names your self (ii) Write the names your self
- (i) 6 (ii) 5
- Do your self.
- (i) Square - 5, Rectangle - 6 (ii) Square - 2, Rectangle - 1
- (i) $\angle R$ (ii) $\angle Q$, $\angle S$ (iii) PS (iv) QP or RS (v) $\angle P$, $\angle Q$, $\angle R$, $\angle S$
- (i) Wrong (ii) Right (iii) Wrong (iv) Right

Exercise 10

- Cone, Sphere, Cube, Cuboid
- Do your self.
- (i) True (ii) False (iii) True (iv) False (v) True (vi) False
- Vertex of cuboid = P, Q, R, S, J, K, L, M
Edges of cuboid = PQ, QR, RS, SP, JK, KL, LM, MJ, PJ, QK, RL, SM
Faces of cuboid = PQRS, JKLM, PQKJ, SRLM, PJMS, QKLR

Exercise 11

- (a) (i), (ii), (iv), (v) (b) (iv)
- (i) Three alphabets (ii) Nine alphabets (iii) Five alphabets
(iv) Seven alphabets (v) Three alphabets (vi) One alphabets (do your self)
- (i) 1 (ii) 1 (iii) 2
(iv) 2 (v) 2 (vi) 3

Exercise 12.1

1. (i) $2a$ (ii) $3a$ (iii) $4a$ 2. $4x$
 3. (i) $(x-5)$ year (ii) $(P+5)$ year 4. $\frac{x}{5}$ or $x \div 5$
 5.

x	1	2	3	4	5	6	7
$2x+3$	5	7	9	11	13	15	17

Exercise 12.2

1. (i) $3 - 7 + 4$, $3 + 7 - 4$ (ii) $3 \times 7 + 4$, $3 + 7 \times 4$
 2. (i) Algebraic (ii) Numerical (iii) Numerical
 (iv) Algebraic (v) Algebraic (vi) Algebraic
 3.

S. No.	Expression	Addition	Subtraction	Multiplication	Division
1.	$x+5$	✓	-	-	-
2.	$7m+3$	✓	-	✓	-
3.	$y-3x$	-	✓	✓	-
4.	$x-y-z$	-	✓	-	-
5.	$3x-10-\frac{z}{5}$	-	✓	✓	✓
6.	$\frac{y}{17}$	-	-	-	✓

4. (i) $a+7$ (ii) $b-10$ (iii) $4x$ (iv) $\frac{x}{4}$ (v) $7-x$ (vi) $10 \div q$ or $\frac{10}{q}$
 5. (i) $2n+15$ (ii) $2x-15$ (iii) $2P+3$ (iv) $2q-3$ (v) $5y-11$ (vi) $-3z+11$
 6. For examples (do your self)

Exercise 12.3

1. (i) Variable x (ii) No (iii) No (iv) No (v) Variable q (vi) Variable t
 2. $y = 5$
 3. (i) No (ii) Yes
 4. (i) $x = 5$
 (ii) $P = 12$
 (iii) $x = 8$

Exercise 13.1

1. (i) 5 : 3 (ii) 5 : 8 2. (i) 8 : 13 (ii) 5 : 1
3. (i) 2 : 1 (ii) 1 : 4 (iii) 1 : 2 4. 7, 10, 35, yes
5. (i) 1 : 6 (ii) 2 : 1 (iii) 5 : 11 (iv) 7 : 11
6. (i) 1 : 5 (ii) 4 : 25 (iii) 1 : 4 (iv) 4 : 3
7. 13 : 12 8. 4 : 3 9. 1 : 2
10. Talisma 10,000 Rs. Gurmeet 25,000 Rs. 11. Do your self.
12. (i) 3 : 1 (ii) 4 : 1 (iii) 5 : 2 (iv) 2 : 1

Exercise 13.2

1. (i) Yes (ii) Yes (iii) No (iv) No
2. (i) True (ii) False (iii) True (iv) False
3. (i) Right (ii) Right (iii) Right (iv) Wrong
4. (i) Not in proportion (ii) In proportion, Middle term - 250, 40 Extreme term - 10, 1
(iii) Not in proportion (iv) In proportion, Middle term - 65, 9 Extreme term - 39, 15

Exercise 13.3

1. 27 2. 375 3. 360 4. 45
5. 75 6. 5 7. 8 8. 150
9. 42,000 10. 9
11. (i) 115.50 (ii) 10

Exercise 14.1

1. (i) 21 cm (ii) 68 cm (iii) 24 cm
2. 20 cm
3. (i) 9 cm (ii) 12 cm (iii) 6 cm
4. Pooja run less, 20 meter
5. 6 m 6. 78 meter 7. 45 meter

Exercise 14.2

1. (i) 9 Sq. cm (ii) 4 Sq. cm (iii) 17 Sq. cm
 (iv) 8 Sq. cm (v) 10 Sq. cm (vi) 13 Sq. cm
 (vii) 20 Sq. cm (viii) 7 Sq. cm (ix) 9 Sq. cm
2. 16 Sq. cm, 16 Sq. cm, 16 Sq. cm
3. (i) 12 Sq. cm (ii) 180 Sq. cm (iii) 11 Sq. cm
4. 80 Sq. cm
5. 81 Sq. cm
6. (i) 16,000 Sq. cm (ii) 12,600 Sq. cm (iii) 20,000 Sq. cm
 (iv) 19, 0000 Sq. cm
7. 6 m
8. 42 Sq. m
9. (i) Four times (ii) Twelve times
10. (i) One Fourth (ii) Four times

Exercise 14.3

1. Perimeter of III & IV is same but the area is differ.
2. Field of gopi, 100 sq. m.
3. Area of a square greater by is 2.25 sq. cm.
4. (i) Perimeter increased by 30 cm.
 (ii) Perimeter increased by 15 cm.
5. (i) 130 cm
 (ii) 32 sq. cm
 (iii) increasing
6. (i) 16 sq. cm
 (ii) 7 sq. cm
 (iii) decreasing

Exercise 15.1

1. (i) Primary (ii) Secondary (iii) Primary (iv) Secondary

2.

Age	Tally marks	Number of student
11		3
12		6
13		11
14		8
15		1
16		1
Addition		30

3. (i) 21 Students (ii) 11 Students (iii) 20 Students

Age	Tally marks	Number of student
4		1
5		4
6		5
7		5
8		6
9		3

- (i) 10 digits (ii) 15 Students (iii) 6 Students

4. (i) family D (ii) family C (iii) difference = 6-2 = member (iv) 21 members

5. (i) Envelope (ii) Monday (iii) Rs. 175 (iv) Envelop left 135 and the price = Rs. 675

6. (i) 8 (ii) Cricket (iii) 0

Exercise 15.2

1

Days	Indicator $\bigcirc = 5$ Patients
Monday	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
Tuesday	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
Wednesday	$\bigcirc \bigcirc \bigcirc$
Thursday	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
Friday	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
Saturday	$\bigcirc \bigcirc \bigcirc \bigcirc$
Sunday	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$

2.

Subject	Telly Mark	No. of students
Hindi		5
Mathematics		8
English		4
Science		4
Sanskrit		1
Computer Education		2
Social Science		1

Mathematics is the most likely subject.

Sanskrit and social science is last likely subject.

3

Days	Indicator $\text{person} = 5$ Voter
Cycle	$\text{person} \text{ person} \text{ person} \text{ person} \text{ person}$
T.V.	$\text{person} \text{ person} \text{ person} \text{ person} \text{ person} \text{ person}$
Ball	$\text{person} \text{ person} \text{ person} \text{ person} \text{ person} \text{ person} \text{ person}$
Fan	$\text{person} \text{ person} \text{ person} \text{ person} \text{ person}$

(i) Ball

(ii) $350 - 300 = 50$ Vote

4 (i)

Height of the students (cm)	Telly Mark	No. of Students
148		2
149		2
150		2
151		3
152		9
153		5
154		2

(ii)

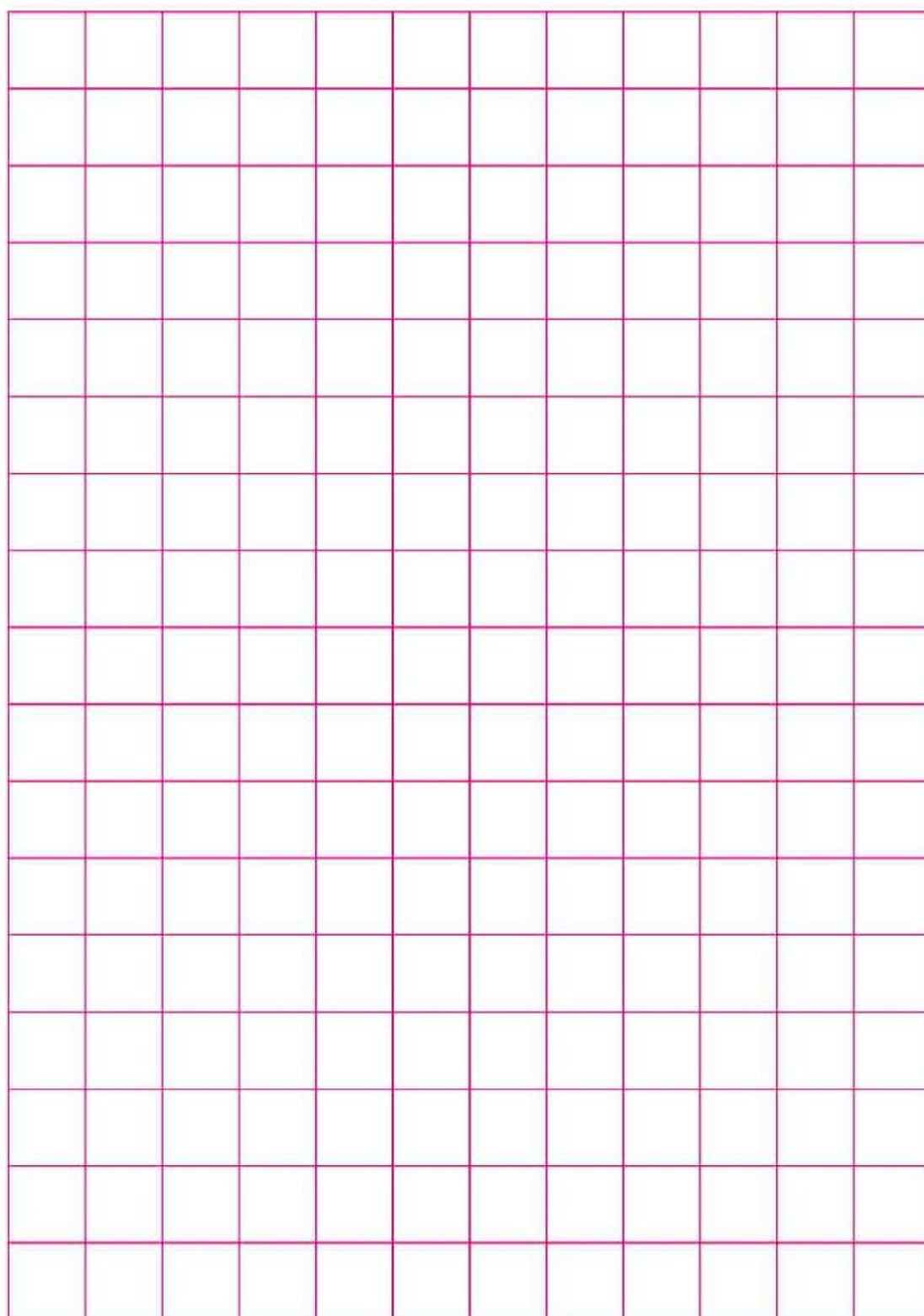
Heighth (cm)	Indicator 😊 = 1 Student
148	😊😊
149	😊😊
150	😊😊
151	😊😊😊
152	😊😊😊😊😊😊😊😊😊😊
153	😊😊😊😊😊
154	😊😊

(iii) 154 cm

(iv) 6 cm

Exercise 15.3

- 1 cm = 10 student
 - 60 student
 - in 2012
- Elephant
 - Goat
 - 28 year - 22 year = 6 year
- Guar, 24,000 kg.
 - 88600 kg.
 - Millet
- 12
 - 60-80
 - 19



THE GREAT MATHEMATICIAN ARYABHATTA

Aryabhatt was born in 475 AD at Kusumpur. Later Kusumpur was named Patliputra. At present it is called Patna, the capital of Bihar. In 499 AD, at the age of 23, he wrote Aryabhattiya. This has four sections

1. Gitika Pada
2. Ganita Pada
3. Kal Kriya Pada
4. Gol Pada

In Ganit Pada (37 verses), it covers place value, perimeter of square, square root, cube root, area of triangle, circle and Trapezium. There is also description about the volume of sphere and pyramid and the value of π . Bhaskar-I (629 AD) has written Bhashya (commentary) on Aryabhattiya this Bhashya is very well known. Aryabhatta was the first mathematician who found out the relation between circumference and diameter in finite places. He was the first astronomer to declare that the earth is spherical, the sun is static and the earth and other planets revolve round the sun.

In the honour of Aryabhatta, India named its first Satellite after his name. Aryabhatta Satellite was launched on 19th April 1975.

