

NEW ERA PUBLIC SCHOOL (2021)

Subject :- Mathematics "A" Class :- 4th

Topic :- Addition And Subtraction

Exercise :- 13

Solved Assignment of Unit II 2021

Qno 1:- Add.

Sol a, 4404

+ 5053

9457

Sol b, 3209

+ 5193

8402

Sol c, 3019

2823

+ 3567

9409

Qno. 2:- Write the missing numbers.

Sol a, 6723

+ 2134

8857

Sol b, 6992

+ 1007

7999

Sol c, 3842

+ 4838

8680

Qno. 3:- In a school library, there are 1,084 books of Maths, 3,027 books of English and 4,236 books of Hindi. How many books does the library have in all?

Sol:- Number of Math books = 1,084

Number of English books = 3,027

Number of Hindi books = 4,236.

∴ Total number of books in a library =

1,084

+ 3,027

+ 4,236

8,347

(P.T.O)

Qno. 4:- Add the following.

a, $999 + 1$.

Sol:- $999 + 1 = 1000$.

b, $78693 + 0$.

Sol, $78693 + 0 = 78693$.

c, $80808 + 2$.

Sol, $80808 + 2 = 80810$.

d, $10101 + 1010$.

Sol, $10101 + 1010 = 11111$.

e, $1234 + 4321$.

Sol, $1234 + 4321 = 5555$.

f, $888 + \underline{\hspace{2cm}} = 1000$

Sol, $1000 - 888 = 112$.

g, $\underline{\hspace{2cm}} + 1 = 10,000$

Sol, $10,000 - 1 = 9999$.

h, $666 + 333$.

Sol, $666 + 333 = 999$.

Ans. 7.

Sol a,
$$\begin{array}{r} 8573 \\ - 4321 \\ \hline 4252 \end{array}$$

Sol b,
$$\begin{array}{r} 9087 \\ - 6456 \\ \hline 2631 \end{array}$$

Solc,
$$\begin{array}{r} 8000 \\ - 989 \\ \hline 7011 \end{array}$$

Qno. 8 a, One thousand less than 10,000.

Sol, $10,000$

$$\begin{array}{r} - 1,000 \\ \hline 9,000 \end{array}$$

b, One less than 10,000.

(P.T.O.)

$$\begin{array}{r} \text{sol b, } 10,000 \\ - \quad \quad 1 \\ \hline 9,999 \end{array}$$

c, 7,000 less than 7070.

$$\begin{array}{r} \text{sol, } 7070 \\ - 7000 \\ \hline 70 \end{array}$$

d, 111 less than 1111

$$\begin{array}{r} \text{sol, } 1111 \\ - 111 \\ \hline 1000 \end{array}$$

Qno.9:- There are 1987 pages in a book. Sonu reads 899 pages. How many pages are yet to be read?

sol:- Total number of pages in a book = 1987
Sonu reads pages = 899.

$\therefore$ Pages yet to be read = 1987

$$\begin{array}{r} - 899 \\ \hline 1088 \end{array}$$

Qno.10:- Find The missing numbers.

sol a, 5007	sol b, 3056	sol c, 50505
- 4128	- 1368	- 10101
<u>0879</u>	<u>1686</u>	<u>40404</u>

Qno.11-a, $6000 + 2000 - 7000$

sol, $(6000 + 2000) - 7000$

$$= 8000 - 7000 = 1000.$$

b, $4000 + 5000 - 9000$. (P.T.O)

$$\text{Sol, } (4000 + 5000) - 9000$$

$$= 9000 - 9000 = 0.$$

$$\text{C, } 8000 - 2000 + 5000$$

$$\text{Sol, } (8000 + 5000) - 2000$$

$$= 13000 - 2000 = 11000.$$

$$\text{d, } 2222 + 3333 - 4444.$$

$$\text{Sol, } (2222 + 3333) - 4444$$

$$= 5555 - 4444 = 1111.$$

Qno-12:- From the sum of the greatest 2-digit and 3-digit numbers, subtract the smallest 4-digit number.

Sol, The greatest number of 2-digits = 99

The greatest number of 3-digits = 999.

Their sum = 999

$$\begin{array}{r} + 99 \\ \hline 1098 \end{array}$$

The smallest number of 4-digits = 1000

$\therefore$ Their subtract = 1098

$$\begin{array}{r} - 1000 \\ \hline 98 \end{array}$$

Topic:- Addition of larger numbers.

Exercise:- 14

Add.

$$\text{Sol 1:- } 43231$$

$$+ 50712$$

$$\hline 93943$$

$$\text{Sol 4, } 20202$$

$$+ 44040$$

$$\hline 64242$$

$$\text{Sol 7, } 46665$$

$$+ 49824$$

$$\hline 96489$$

(P.T.O),

$$\text{sol 10:- } 80090$$

$$+ 18204$$

$$\underline{98294}$$

$$\text{sol 16:- } 38423$$

$$+ 56459$$

$$\underline{94882}$$

$$\text{sol 13:- } 44842$$

$$+ 30090$$

$$\underline{74932}$$

$$\text{sol 19:- } 84376$$

$$+ 10649$$

$$\underline{95025}$$

Topic:- Addition and Subtraction.

Exercise:- 15

Add.

$$\text{sol 1:- } 62468$$

$$+ 19874$$

$$+ 10094$$

$$\underline{92436}$$

$$\text{sol 3:- } 18429$$

$$+ 30491$$

$$+ 21234$$

$$\underline{70154}$$

$$\text{sol 5:- } 34321$$

$$+ 12624$$

$$+ 40990$$

$$\underline{87935}$$

$$\text{sol 7:- } 46487$$

$$+ 23409$$

$$+ 12001$$

$$\underline{81897}$$

$$\text{sol 9:- } 13876$$

$$+ 38678$$

$$+ 33001$$

$$\underline{85555}$$

$$\text{sol 11:- } 25382$$

$$+ 11242$$

$$+ 52401$$

$$\underline{89025}$$

$$\text{sol 13:- } 16835$$

$$+ 48903$$

$$+ 24537$$

$$\underline{90275}$$

$$\text{sol 15:- } 40430$$

$$+ 19753$$

$$+ 28421$$

$$\underline{88604}$$

Topic:- Subtraction of larger numbers.

Exercise:- 16

Subtract.

$$\text{sol 1:- } 93618$$

$$- 43207$$

$$\underline{50411}$$

$$\text{sol 2:- } 53486$$

$$- 43172$$

$$\underline{10314}$$

$$\text{sol 3:- } 89065$$

$$- 8051$$

$$\underline{81014}$$

$$\text{sol 4:- } 80808$$

$$\underline{- 40302}$$

$$\underline{40506}$$

$$\text{sol 7:- } 88069$$

$$\underline{- 58}$$

$$\underline{88011}$$

$$\text{sol 5:- } 80009$$

$$\underline{- 60009}$$

$$\underline{20000}$$

$$\text{sol 8:- } 9643$$

$$\underline{- 8532}$$

$$\underline{1111}$$

$$\text{sol 6:- } 55055$$

$$\underline{- 23023}$$

$$\underline{32032}$$

Exercise:- 17

Subtract and check your answers with the help of addition.

$$\text{sol 1:- } 80006$$

$$\underline{- 31028}$$

$$\underline{48978}$$

check:-

$$48978$$

$$+ 31028$$

$$\underline{80006}$$

$$\text{sol 5:- } 80001$$

$$\underline{- 69998}$$

$$\underline{10003}$$

check:-

$$10003$$

$$+ 69998$$

$$\underline{80001}$$

$$\text{sol 3:- } 91012$$

$$\underline{- 34568}$$

$$\underline{56444}$$

check:-

$$56444$$

$$+ 34568$$

$$\underline{91012}$$

$$\text{sol 7:- } 27393$$

$$\underline{- 909}$$

$$\underline{26484}$$

check:-

$$26484$$

$$+ 909$$

$$\underline{27393}$$

Topic:- Addition and Subtraction Made Easier

Exercise:- 18

Q.no. 1:- Add.

$$\text{sol a, } 1098 + 2034 = 3132$$

(P.T.O)

$$b, 397 + 135 = \underline{532}$$

$$c, 888 + 202 = \underline{1090}$$

$$d, 699 + 786 = \underline{1485}$$

$$e, 708 + 321 = \underline{1029}$$

Qno. 2:- Subtract.

$$\text{Sol a:- } 156 - 138 = \underline{18}$$

$$b, 393 - 42 = \underline{351}$$

$$c, 460 - 203 = \underline{257}$$

$$d, 784 - 127 = \underline{657}$$

$$e, 424 - 203 = \underline{221}$$

Exercise:- 19

Subtract using the above subtraction tips.

$$\text{Sol 1:- } 60000 - 1 = 59999$$

$$45986 - 1 = 45985$$

$$59999$$

$$- \underline{45985}$$

$$\underline{14014}$$

$$\text{Sol 3:- } 10000 - 1 = 9999$$

$$2223 - 1 = 2222$$

$$9999$$

$$- \underline{2222}$$

$$\underline{7777}$$

$$\text{Sol 5:- } 90000 - 1 = 89999$$

$$19909 - 1 = 19908$$

$$89999$$

$$- \underline{19908}$$

$$\underline{70091}$$

(P.T.O)

$$\text{Sol 7:- } 22000 - 1 = 21999$$

$$8767 - 1 = 8766$$

$$\begin{array}{r} 21999 \\ - 8766 \\ \hline 13233 \end{array}$$

$$\text{Sol 9:- } 40000 - 1 = 39999$$

$$9999 - 1 = 9998$$

$$\begin{array}{r} 39999 \\ - 9998 \\ \hline 30001 \end{array}$$

Exercise:- 20

Solve the given word problems.

Qno.1:- Raman earns Rs 27435 per month and Sunil earns Rs 24638 per month. How much do they earn together?

Sol:- Raman earns per month = Rs 27435

Sunil earns per month = Rs 24638.

$$\begin{array}{r} \therefore \text{They earned together} = \text{Rs } 27435 \\ + \text{Rs } 24638 \\ \hline \text{Rs } 52073 \end{array}$$

Qno.2:- Meera has Rs 21109, Mina has Rs 30201 and Rohit has Rs 14362. How much money do they have in all?

Sol:- Meera has = Rs 21109

Mina has = Rs 30201

Rohit has = Rs 14362.

$\therefore$ Total amount they have in all =

$$\begin{array}{r}
 \text{Rs } 21109 \\
 + \text{Rs } 30201 \\
 + \text{Rs } 14362 \\
 \hline
 \text{Rs } 65672
 \end{array}$$

Qno.3:- Reema had Rs 48369 in her bank account. She withdrew Rs 29470. How much money is left in her account?

Sol:- Reema had in her bank account = Rs 48369
She withdrew in her account = Rs 29470.

$$\begin{array}{r}
 \therefore \text{Money left in her account} = \text{Rs } 48369 \\
 - \text{Rs } 29470 \\
 \hline
 \text{Rs } 18899
 \end{array}$$

Qno.4:- The sum of two numbers is 96358. One number is 49306. Find the other number.

Sol:- The sum of two numbers = 96358

One number = 49306.

$$\begin{array}{r}
 \therefore \text{other number} = 96358 \\
 - 49306 \\
 \hline
 47052
 \end{array}$$

Qno.5:- A factory produced 48,239 toys and sold 2964 toys. How many toys are left unsold?

Sol:- A factory produced toys = 48,239.

Number of sold toys = 2964.

$$\begin{array}{r}
 \therefore \text{Number of unsold toys left} = 48,239 \\
 - 2964 \\
 \hline
 45275
 \end{array}$$

Qno. 6:- Three ropes are 23,541 cm, 14,326 cm and 23,410 cm long. What is the total length?

Sol:- Length of three ropes = 23,541 cm, 14,326 cm and 23,410 cm.

$$\begin{aligned}\therefore \text{Total length} &= 23,541 \text{ cm} \\ &+ 14,326 \text{ cm} \\ &+ \underline{23,410 \text{ cm}} \\ &= \underline{61,277 \text{ cm}}\end{aligned}$$

Qno. 7:- What number should be subtracted from 75,043 to obtain 14,983?

$$\begin{aligned}\text{Sol:- } &75,043 \\ &- \underline{14,983} \\ &= \underline{60,060}\end{aligned}$$

$\therefore$ Required number = 60,060.

Qno. 8:- The population of Banthra is 24,765. The population of a neighbouring village, which is 20 km away, is 9,876. Find the difference between two populations.

Sol:- The population of Banthra = 24,765.

The population of neighbouring village = 9,876.

$$\begin{aligned}\therefore \text{The difference between two populations} &= 24,765 \\ &- \underline{9,876} \\ &= \underline{14,889}\end{aligned}$$

Qno. 9:- Radhika spends Rs 6832 per month and Niharika spends Rs 7321 per month. How much do they spend together? (P.T.O.)

(11)

Sol:- Radhika spends per month = Rs 6832.
Niharika spends per month = Rs 7321.
 $\therefore$ They spend together = Rs 6832

+ Rs 7321

Rs 14153

Q no. 10:- A bookseller purchased 52131 books.
He sold 43821 books. How many books are left unsold?

Sol:- A bookseller purchased books = 52131

Number of books sold = 43821.

$\therefore$ Number of books left unsold = 52131

- 43821

8310

Exercise:- 21

A visit to a shopping mall:

Q no. 1:- Mr. Singh's family went to a shopping mall that was 3565 metres far from their home. They drove 2000 metres and stopped at a petrol pump station on the way.
How much distance is left to be covered?

Sol:- Distance of a shopping mall from Mr. Singh's home = 3565 m.

Distance covered by Mr. Singh's family = 2000 m.

$\therefore$ Distance left to be covered = 3565 m

- 2000 m

(P.T.O.)

1565 m

Qno. 2:- Their car already had 4500 ml petrol. They got their fuel tank filled by another 5000 ml. How much total petrol is in their car's fuel tank?

Sol:- Mr. Singh's car had petrol = 4500 ml
He filled more petrol in his car = 5000 ml
 $\therefore$ Total petrol in his car's fuel tank = 4500 ml
+ 5000 ml
9500 ml

Qno. 3:- Mr. Singh gave Rs 9,654 at the electronic shop for buying a new cellular phone. He had Rs 28,341 in his purse before he gave the money. How much money is still in his purse?

Sol:- Money in Mr. Singh's purse = Rs 28,341.
Cost of a cellular phone = Rs 9,654.
 $\therefore$ Money left in his purse = Rs 28,341
- Rs 9,654
Rs 18,687

Qno. 4:- Mr. Singh's family spent Rs 1,206 on food and Rs 3,409 on new clothes. They also spent Rs 2,089 on toys. How much did their visit to the mall cost them on these three items?

Sol:- Mr. Singh's family spend on food = Rs 1,206.
They spend on new clothes = Rs 3,409.
They spend on toys = Rs 2,089.
 $\therefore$ Total amount spend on three items = Rs 1,206
+ Rs 3,409
(P.T.O.)

+ Rs 2,089

Rs 6,704

Qno. 5:- Mr. Singh drove back to their home but stopped on the way back at their friend's home that was 1506 metres far from the mall. How much distance is left to be covered to reach their home?

Sol:- Mr. Singh stopped on the way back at their friend's home that was far from the mall = 1506 m.

Distance from shopping mall to Mr. Singh's home = 3565 m.

∴ Distance left to be covered to reach their home = 3565 m

- 1506 m

2059 m

Topic:- Multiplication

Exercise:- 23

Qno. 1:- Multiply.

Sol a:- 15

x 8

120

Sol c:- 1122

x 4

4488

Sol e:- 1283

x 3

3849

Qno. 2:- Find the missing numbers.

Sol a, $9 \times 2 \times 3 = 18 \times 3 = 54$

Sol b, $8 \times 4 \times 3 = 32 \times 3 = 96$

Sol c:- $7 \times 8 \times 6 = 56 \times 6 = 336$

Sol d:- $1 \times 9 \times 3 = 1 \times 27 = 27$ (P.T.O.)

Q.no.3:- sol.a:- $1000 \times 9 = 9000$

sol.c:- $1001 \times 8 = 8008$

sol.e:- $100 \times 10 = 1000$

sol.g:- $1002 \times 2 = 2004$

sol.i:- $1010 \times 5 = 5050$

Q.no.4:- Multiply.

sol.a:- 53

$\times 30$

00

$159 \times$

1590

sol.g:- 81

$\times 20$

1620

sol.c:- 132

$\times 40$

00

$528 \times$

5280

sol.i:- 9999

$\times 2$

19998

sol.e:- 334

$\times 18$

2672

$334 \times$

6012

sol.k:- 1009

$\times 9$

9081

Q.no.5:- Use multiplication tables to fill in the blanks.

sol.a:- $15 \times 9 = 135$

Que.c:- $20 \times \underline{\quad} = 180$

sol.c:- $\frac{180}{20} = 20 \overline{)180} 9$

$\frac{180}{\times}$

$20 \times 9 = 180$

Que.g:- $14 \times \underline{\quad} = 28$

sol.g:- $\frac{28}{14} = 14 \overline{)28} 2$

$\frac{28}{\times}$

$14 \times 2 = 28$

(P.T.O)

sol.b:- $11 \times 5 = 55$

sol.d:- $20 \times 7 = 140$

sol.e:- $14 \times 6 = 84$

Que.f:- $30 \times \underline{\quad} = 90$

sol.f:- $\frac{90}{30} = 30 \overline{)90} 3$

$\frac{90}{30}$

$30 \times 3 = 90$

Que.h:- $16 \times \underline{\quad} = 48$

sol.h:- $\frac{48}{16} = 16 \overline{)48} 3$

$\frac{48}{16}$

$16 \times 3 = 48$

Que. i:- $11 \times \underline{\quad} = 88$

Sol:- $\underline{88} = 11 \overline{)88} \underline{8}$

11

80

$11 \times \underline{8} = 88$

Que. j:- $17 \times \underline{\quad} = 51$

Sol:- $\underline{51} = 17 \overline{)51} \underline{3}$

17

51

$17 \times \underline{3} = 51$

Qno. 6:- There are 125 plants in a row. How many plants are there in 39 such rows?

Sol:- Number of plants in a row = 125

Number of rows = 39.

∴ Total number of plants in 39 rows =

125

 $\times 39$

1125

37504875

Topic:- Multiplying a 4-digit number by a
1-digit number.

Exercise:- 24.

Multiply using column method.

Sol. 1:- 2748

 $\times 3$ 8244

Check:- $2748 \times 3 = (2000 + 700 + 40 + 8) \times 3$

$2000 \times 3 = 6000$

$700 \times 3 = 2100$

$40 \times 3 = 120$

$8 \times 3 = + 24$

8244

(P.T.O)

Sol. 2:- 8470

$$\begin{array}{r} \times 6 \\ \hline 50820 \end{array}$$

check:- $8470 \times 6 = (8000 + 400 + 70) \times 6$

$$8000 \times 6 = 48000$$

$$400 \times 6 = 2400$$

$$70 \times 6 = 420$$

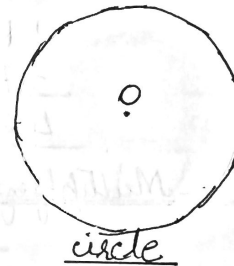
$$\hline 50820$$

Mathematics 'B'

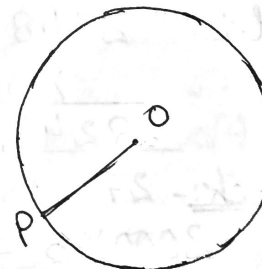
Topic:- Circle

Definitions:-

circle:- A circle is a simple closed curve. It has a centre point. We can represent the centre as 'O'. This circle is named as circle O.



Radius:- OP is the distance between the centre of the circle O and any point P lying on the circle. The line segment OP is called the radius of the circle. (radius = OP).



Radius

Properties of a circle.

Diameter:- OP = Radius

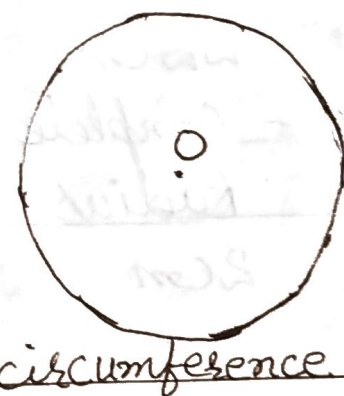
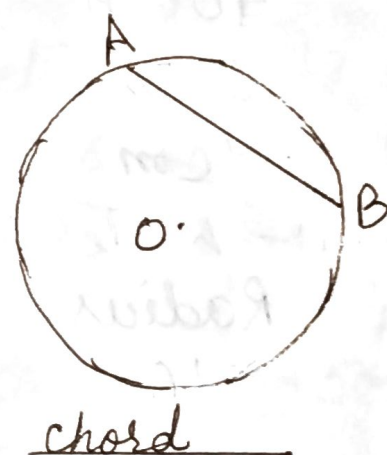
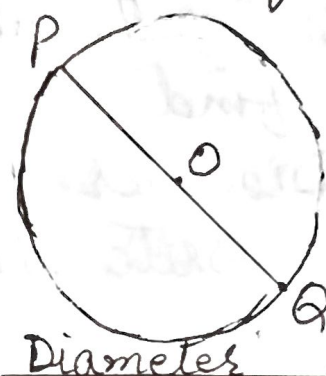
PQ = Diameter

(P.T.O.)

A diameter always passes through the centre of the circle O.

A diameter PQ is two times the radius OP.

$$(PQ = 2OP = 2OQ)$$



Exercise:- 67.

Qno. 1:- In the figure, O is the centre of the circle. Name the parts shown below.

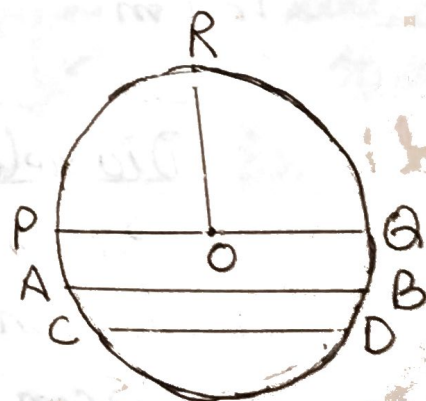
Sol a, Radius of the circle

OP, OQ, OR.

Sol b, Diameter of the circle PQ

Sol c, Chords of the circle (except diameters) AB

(P.T.O.)



and CD.

Qno.2:- In the above problem, if radius is 4cm, find the diameter PQ.

sol:- Diameter PQ = $2 \times 4 \text{ cm} = 8 \text{ cm}$.

Qno.3:- Write the diameter of the following.

Radius

40cm

2cm

9cm

Diameter

80cm

4cm

18cm.

Qno.4:- Write the missing data.

Radius

16cm

13cm

5cm

22cm

Diameter

32cm

26cm

10cm

44cm.

Qno.6:- Complete the Table.

sol a:-

Radius

2cm

9cm

12cm

6.5cm

Diameter

4cm

18cm

24cm

13cm.

sol b:-

Diameter

38cm

42cm

25cm

35cm.

Radius

19cm

21cm

12.5cm

17.5cm.

(P.T.O.)

Topic:- Measurement

Exercise:- 69

Answer the following.

Qno.1:- Manju wants to swim 1000 metres. How many kilometres should she swim?

Sol:- Manju wants to swim = 1000 m.

$$1000 \text{ m} = 1 \text{ Kilometre}$$

$\therefore$ She swim = 1 Kilometre

Qno.2:- Rohan ran 2500 metres. Shivam ran 2 kilometres 300 metres. Who ran more and by how much?

Sol:- Rohan ran = 2500 m = 2 km 500 m

Shivam ran = 2 km 300 m

$\therefore$ Rohan ran more = km m

$$2 : 500$$

$$- 2 : 300$$

$$200 \text{ m}$$

$$200$$

Qno.3:- Complete the table.

Sol a:- km	m	Sol b:- m	cm
3	3000	2	200
8	8000	5	500
6	6000	7	700
13	13000	23	2300

Qno.4:- Look at the above map and answer the following.

Qa:- Who stays farthest from the school and how much farther?

Sol:- Monu stayed farthest from the school = $2\text{km } 200\text{m}$.

Qb:- Find the difference between the distances of Monu's and Sam's homes from the school.

Sol:- The distance of Monu's home from the school = $2\text{km } 200\text{m}$.

The distance of Sam's home from the school = $1\text{km } 100\text{m}$.

$\therefore$ The difference between Two homes = km m

$2 : 200$
$- 1 : 100$
$1 : 100$

Qc:- Ali walked from his home to Sam's home. Monu walked from his home to Ali's home. Who walked more and by what distance?

Sol:- Ali walked from his home to Sam's home. = $1\text{km } 800\text{m}$

Monu walked from his home to Ali's home = $3\text{km } 100\text{m}$.

$\therefore$ Monu walked more than Ali = km m

$3 : 100$
$- 1 : 800$
$2 : 300$

$1\text{km } 300\text{m}$

Topic:-

Perimeter

(21)

Exercise:- 70

Find the perimeters. (Each square = $1\text{cm} \times 1\text{cm}$ □ 1cm)

Sol 1:- Perimeter = Sum of sides.

$$\text{Perimeter} = AB + BC + CD + DA.$$

$$= 4\text{cm} + 2\text{cm} + 4\text{cm} + 2\text{cm} = 12\text{cm}. (P = 12\text{cm})$$

Sol 2:- Perimeter = $AB + BC + CD + DA$.

$$= 3\text{cm} + 4\text{cm} + 3\text{cm} + 4\text{cm} = 14\text{cm}. (P = 14\text{cm})$$

Sol 3:- Perimeter = $AB + BC + CD + DA$.

$$= 1\text{cm} + 1\text{cm} + 1\text{cm} + 1\text{cm} = 4\text{cm}. (P = 4\text{cm})$$

Sol 4:- Perimeter = $AB + BC + CD + DA$.

$$= 1\text{cm} + 4\text{cm} + 1\text{cm} + 4\text{cm} = 10\text{cm}. (P = 10\text{cm})$$

Sol 5:- Perimeter = $AB + BC + CD + DA$.

$$= 4\text{cm} + 4\text{cm} + 4\text{cm} + 4\text{cm} = 16\text{cm}. (P = 16\text{cm})$$

Sol 6:- Perimeter = $AB + BC + CD + DA$.

$$= 2\text{cm} + 1\text{cm} + 2\text{cm} + 1\text{cm} = 6\text{cm}. (P = 6\text{cm})$$

Exercise:- 71.

Find the perimeters. (Each square = $2\text{cm} \times 2\text{cm}$)

Sol 1:- Perimeter = $AB + BC + CD + DE + EF + FG + GH + HA$.

$$= 4\text{cm} + 2\text{cm} + 2\text{cm} + 6\text{cm} + 8\text{cm} + 6\text{cm} + 2\text{cm} + 2\text{cm} = 32\text{cm}.$$

Sol 2:- Perimeter = $AB + BC + CD + DE + EF + FG + GH + HA$.

$$= 2\text{cm} + 4\text{cm} + 4\text{cm} + 4\text{cm} + 2\text{cm} + 8\text{cm} + 8\text{cm} + 8\text{cm} = 40\text{cm}.$$

Sol 3:- Perimeter = $AB + BC + CD + DE + EF + FG +$
(P.T.O.)

$$GH + HA.$$

$$= 8\text{cm} + 2\text{cm} + 2\text{cm} + 6\text{cm} + 4\text{cm} + 6\text{cm} + 2\text{cm} + 2\text{cm} = 32\text{cm}.$$

$$\text{Sol 4:- Perimeter} = AB + BC + CD + DE + EF + FG + GH + HI + IJ + JA.$$

$$= 8\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 8\text{cm} = 32\text{cm}.$$

$$\text{Sol 5:- Perimeter} = AB + BC + CD + DE + EF + FG + GH + HI + IJ + JA.$$

$$= 4\text{cm} + 4\text{cm} + 2\text{cm} + 2\text{cm} + 4\text{cm} + 6\text{cm} + 2\text{cm} + 8\text{cm} + 8\text{cm} + 8\text{cm} = 48\text{cm}.$$

$$\text{Sol 6:- Perimeter} = AB + BC + CD + DE + EF + FG + GH + HI + IJ + JK + KL + LM + MN + NA.$$

$$= 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 4\text{cm} + 2\text{cm} + 8\text{cm} + 4\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 8\text{cm} = 44\text{cm}.$$
