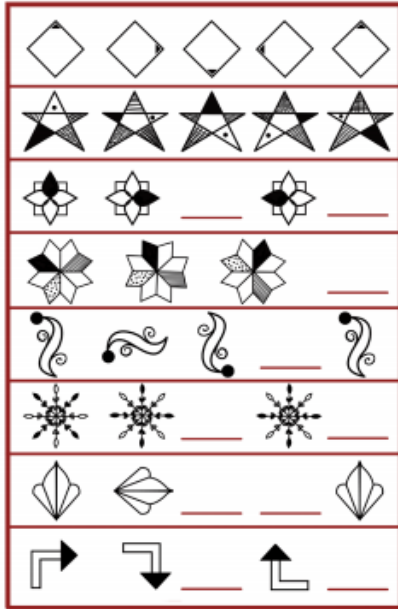


Chapter – 3

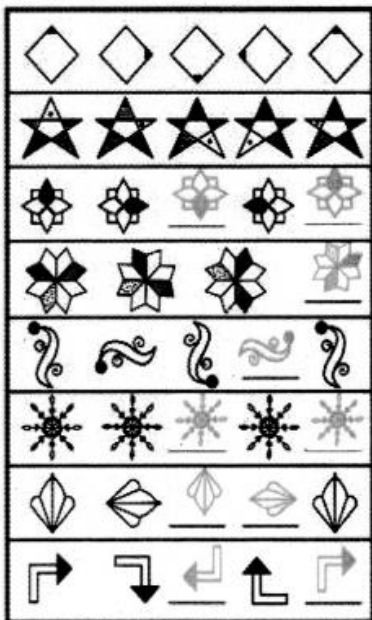
Patterns

Ex 3.1

Fill in the blanks



Answer:



Ex 3.2

Answer the following

Question 1.

Square of the number 7 is

- (a) 14
- (b) 49
- (c) 21
- (d) 28

Answer:

(b) 49

$$[7^2 = 7 \times 7 = 49]$$

Question 2.

64 is the square number of

- (a) 4
- (b) 16
- (c) 8
- (d) 32

Answer:

(c) 8

$$[8^2 = 8 \times 8 = 64]$$

Question 3.

Is 24 a square number?

Answer:

No

Question 4.

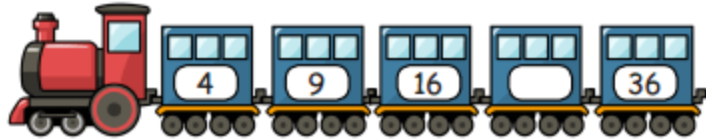
A number multiplied by ____ is called square of that number.

Answer:

itself

Question 5.

Fill in the blank box.



Answer:

25

Question 6.

1, 3, 6, ____, 15, ____, 28

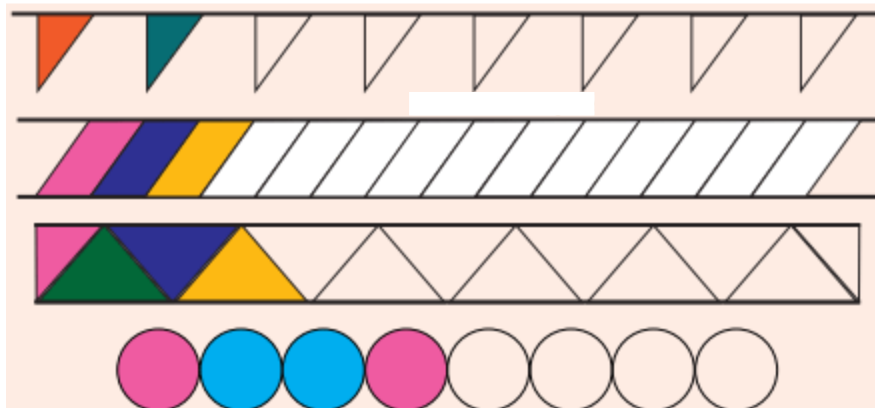
Answer:

10, 21

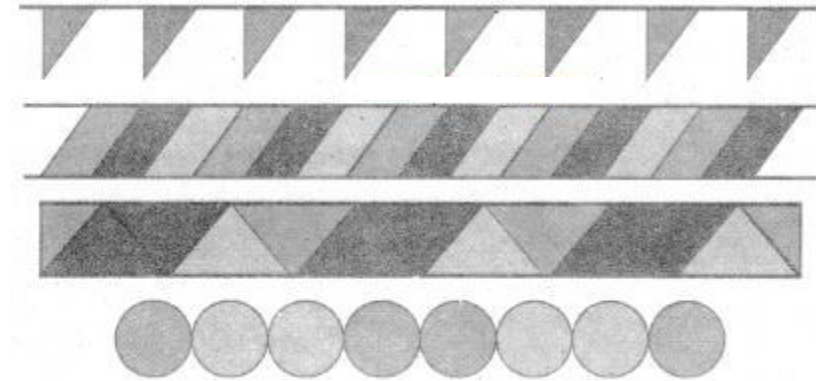
InText Questions

Activity (Text Book Page No. 53)

Continue the colours pattern as shown



Answer:



Do yourself (Text Book page No. 56)

Question 1.

Count and write the tiles

Figure					
Number of Tiles					

Answer:

Figure					
Number of tiles	1	4	9	16	25

Question 2.

Circle the square numbers

x	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

Answer:

X	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

Try These (Text Book page No. 60)

a. $1 + 3 + 5 + 7 + 9 + 11 = \underline{\quad} = \underline{\quad} = \underline{\quad}$

b. $1 + 3 + 5 + 7 + 9 + 11 + 13 = \underline{\quad} = \underline{\quad} = \underline{\quad}$

c. $1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 = \underline{\quad} = \underline{\quad} = \underline{\quad}$

Answer:

a. $1 + 3 + 5 + 7 + 9 + 11 = \underline{\quad} = \underline{\quad} = \underline{\quad}$

$1 + 3 + 5 + 7 + 9 + 11 = 36 = 6 \times 6 = 6^2$

b. $1 + 3 + 5 + 7 + 9 + 11 + 13 = \underline{\quad} = \underline{\quad} = \underline{\quad}$

$1 + 3 + 5 + 7 + 9 + 11 + 13 = 49 = 7 \times 7 = 7^2$

$$\text{c. } 1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 = \underline{\hspace{1cm}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 = 64 = 8 \times 8 = 8^2$$