

ADDITIONAL[®]
PRACTICE

MATHEMATICS 1

Answer Key

01 Finding The Furry Cat!

(PRE-NUMBER CONCEPTS)

Concept Practice

On-Under

- I. a. on, under
- b. on, under

Inside=Outside

- II. a.  ☒
-  ☐
- b.  ☒
-  ☐

Top-Bottom

- I. a. Top, bottom
- b. bottom, top

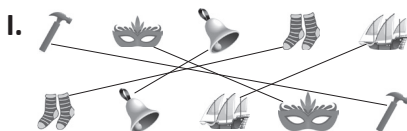
Above-Below

- I. a. below, above
- b. above, below

Before-After



Sorting



Skills Practice

- I. 1. Inside
2. Above
3. Do it yourself

02 What is Long? What is Round?

(SHAPES)

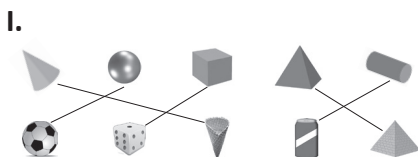
Concept Practice

Long and Round

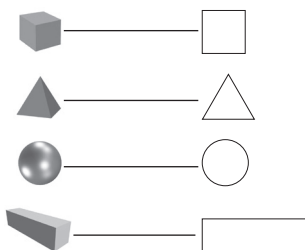
- I.  ☒
-  ☒
-  ☒
- II.  ☒



Similar Shapes



II.



Rolling-Sliding

- I. (a)  ☒
- (b)  ☒
- (c)  ☒
- (d)  ☒

Skills Practice

I. Think and Answer

1.  Roll
-  Slide
-  Slide
-  Slide
-  Roll
2. Marker, coin, bowl, wheel, pen.

03 Mango Treat

(NUMBERS 1 TO 9)

Concept Practice

Numbers 1 to 9

- I. (a)  (iv)
- (b)  (i)
- (c)  (v)
- (d)  (ii)
- (e)  (iii)

- II. (a) 5
- (b) 3
- (c) 4

(d) 6

- III. (a) 5
- (b) 6
- (c) 7

- IV. (a) 4 5 6 7
- (b) 4 5 6 7 8
- (c) 6 7 8 9

More than, Less than and Equal to

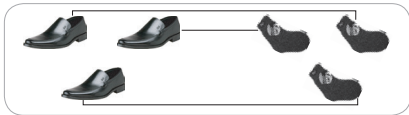
- I. (a) (i)
- (b) (i)
- (c) (ii)
- II. (a) (ii)
- (b) (i)
- (c) (i)

III.

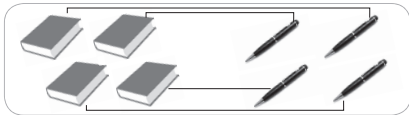
(b)



(c)



(d)



Comparing and Ordering numbers

I.



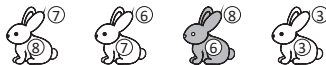
II.



III.



IV.



Skills Practice

I.

1. 2, 3, 4

2.

k	e	i	g	h	t	w	s
f	i	v	e	c	h	t	e
o	f	t	w	o	r	x	v
u	a	n	i	n	e	o	e
r	o	n	t	t	e	n	n
e	s	i	x	o	w	e	n

04 Making 10

(NUMBERS 10 TO 20)

Concept Practice

Recalling Numbers 1 to 9

I. 2-Two 6-Six 7-Seven

1-One 8-Eight 3-Three

4-Four 9-Nine 5-Five

Number Zero (0)

I.

(a)

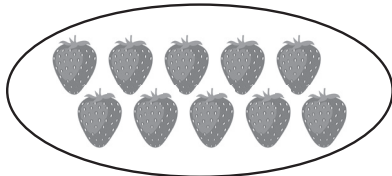


(b)

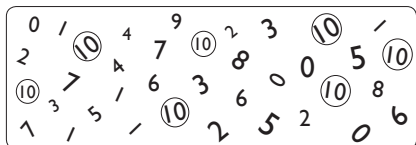


Number 10

I.



II.



Number Pairs

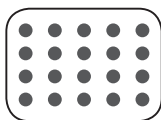
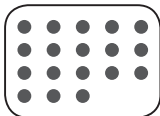
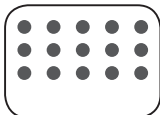
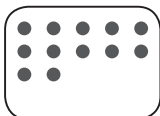
I.

4, 10, 7, 9, 12

Numbers 10 to 20

- I. (a) 10, 11, 12, 13, 14, 15, 16, 17, 18
 (b) 12, 13, 14, 15, 16, 17, 18, 19
 (c) Thirteen, Fourteen, Fifteen, Sixteen, Seventeen
 (d) Eleven, Twelve, Thirteen, Fourteen, Fifteen

II.



Comparing and Ordering Numbers up to 20

- I. (a) 18 (b) 14 (c) 18
 (d) 19 (e) 17 (f) 17
 (g) 18 (h) 20
- II. (a) 10, 11, 14, 15, 18
 (b) 9, 10, 13, 19, 20

Skills Practice

I. Think and Answer

- I. 1. $7 = (0+7), (1+6), (2+5), (3+4), (5+2).$
 $8 = (0+8), (1+7), (2+6), (3+5), (4+4).$
2. $10 = (0+10), (1+9), (2+8), (3+7), (4+6), (5+5), (6+4), (7+3), (8+2), (9+1)$
3. seven, nine, two, four, five

05

How Many?

(ADDITION AND SUBTRACTION OF SINGLE-DIGIT NUMBERS)

Concept Practice

Addition By Putting Together

- I. (a) $\underline{3} + \underline{2} = \underline{5}$
 (b) $\underline{4} + \underline{5} = \underline{9}$
 (c) $\underline{3} + \underline{3} = \underline{6}$
 (d) $\underline{1} + \underline{3} = \underline{4}$

Addition by Drawing Objects

- I. (a) $4 + 3 = \underline{7}$

(b) $8 + 1 = \underline{9}$

Addition by Finger Counting

- I.  +  = 4
-  +  = 5

 +  = 7

 +  = 2

 +  = 8

 +  = 6

 +  = 6

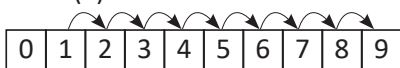
 +  = 9

 +  = 5

 +  = 9

Addition on the Number Strip

I. (a) 9



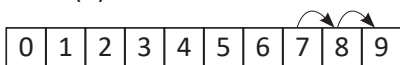
(b) 7



(c) 8



(d) 9



Horizontal and Vertical Addition

I. (a) 5 (b) 8 (c) 2

(d) 9 (e) 6 (f) 9

(g) 7 (h) 8 (i) 4

II. (a) 6 (b) 4 (c) 9

(d) 8 (e) 9 (f) 4

(g) 2 (h) 5 (i) 3

Adding Number Pairs

I.

6

$$0 + 6 = 6$$

$$1 + 5 = 6$$

$$2 + 4 = 6$$

$$3 + 3 = 6$$

$$4 + 2 = 6$$

$$5 + 1 = 6$$

$$6 + 0 = 6$$

7

$$0 + \underline{7} = \underline{7}$$

$$\underline{1} + \underline{6} = \underline{7}$$

$$\underline{3} + \underline{4} = \underline{7}$$

$$\underline{6} + \underline{1} = \underline{7}$$

$$\underline{4} + \underline{3} = \underline{7}$$

$$\underline{2} + \underline{5} = \underline{7}$$

$$\underline{5} + \underline{2} = \underline{7}$$

$$\underline{7} + \underline{0} = \underline{7}$$

9

$$\underline{0} + \underline{9} = \underline{9}$$

$$\underline{1} + \underline{8} = \underline{9}$$

$$\underline{2} + \underline{7} = \underline{9}$$

$$\underline{3} + \underline{6} = \underline{9}$$

$$\underline{4} + \underline{5} = \underline{9}$$

$$\underline{5} + \underline{4} = \underline{9}$$

$$\underline{6} + \underline{3} = \underline{9}$$

$$\underline{7} + \underline{2} = \underline{9}$$

$$\underline{8} + \underline{1} = \underline{9}$$

$$\underline{9} + \underline{0} = \underline{9}$$

8

$$\underline{0} + \underline{8} = \underline{8}$$

$$\underline{1} + \underline{7} = \underline{8}$$

$$\underline{2} + \underline{6} = \underline{8}$$

$$\underline{3} + \underline{5} = \underline{8}$$

$$\underline{4} + \underline{4} = \underline{8}$$

$$\underline{5} + \underline{3} = \underline{8}$$

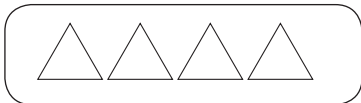
$$\underline{6} + \underline{2} = \underline{8}$$

$$\underline{7} + \underline{1} = \underline{8}$$

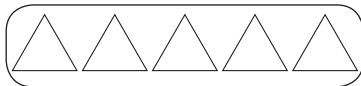
$$\underline{8} + \underline{0} = \underline{8}$$

II.

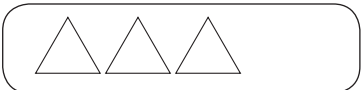
a.



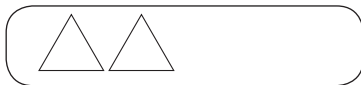
b.



c.



d.



Addition Story

- I. (b) 5 children + 7 children = 12 children. There are total 12 children are playing.
- (c) 4 mangoes + 1 mango = 5 mangoes. They eat 5 mangoes.
- (d) 3 notebooks + 4 notebooks = 7 notebooks. They have total 7 notebooks.
- (e) 5 flowers + 1 flower = 6 flower. There are total 6 flowers in the basket.
- (f) 5 stamps + 9 stamps = 14 stamps Arjun have total 14 stamps.

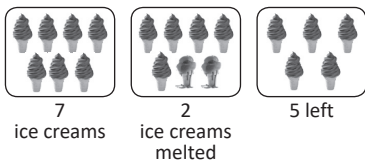
Subtraction by taking away

- I. (a) 5 (b) 3 (c) 7
(d) 2 (e) 2
- II. (a) $9 - 2 = 7$
(b) $6 - 4 = 2$
(c) $4 - 1 = 3$

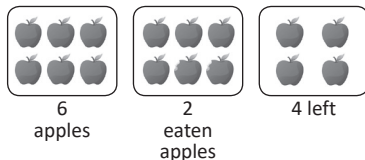
Subtraction by drawing objects

I.

(a)



(b)



Subtraction on the Number Strip

I.

(a) 4



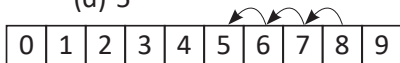
(b) 3



(c) 4



(d) 5



Vertical and Horizontal Subtraction

- I. (a) 6 (b) 3 (c) 1
(d) 2 (e) 5 (f) 2
(g) 4 (h) 2
- II. (a) 5 (b) 4 (c) 2
(d) 6 (e) 5 (f) 3
(g) 4 (h) 2 (i) 1

Subtraction Story

- I. (b) 5 toffees – 3 toffees = 2 toffees. 2 toffees left with him.

- (c) 6 toys - 1 toy = 5 toys. 5 toys left with sonu.
- (d) 8 biscuits - 4 biscuits = 4 biscuits. 4 biscuits left in the plate.
- (e) 4 picture frames - 2 picture frames = 2 picture frame. 2 picture frame left with John.

Skills Practice

1. Think and Answer-

Do it yourself.

II. 1. Do it yourself.

2.

(a)

<u>2</u>	7	6
9	5	1
4	<u>3</u>	8

(b)

<u>3</u>	8	1
2	<u>4</u>	6
7	0	<u>5</u>

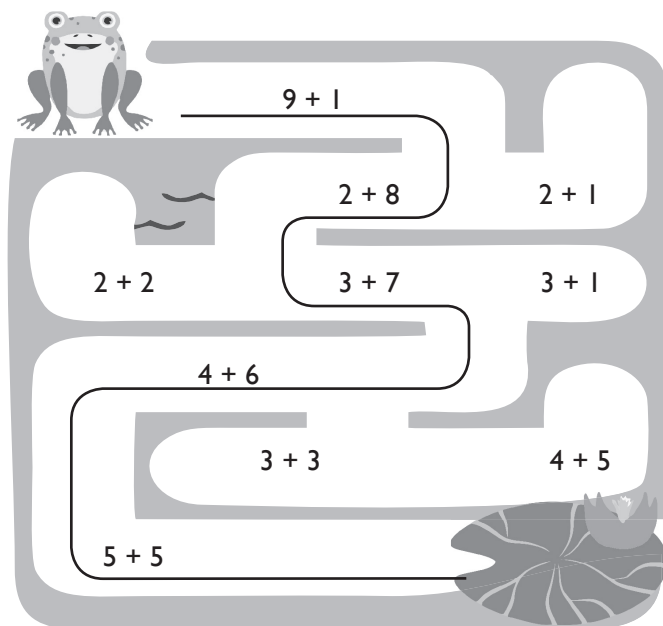
06 Vegetable Farm

(ADDITION AND SUBTRACTION UP TO 20)

Concept Practice

Recalling Addition up to 10

I.



Addition of Numbers UP to 20

I. (b) $14 \rightarrow$ $\overset{\textcircled{1}}{15}, \overset{\textcircled{2}}{16}$
 $\overset{\textcircled{3}}{17}$

So, $14 + 3 = 17$

(c) $15 \rightarrow$ $\overset{\textcircled{1}}{16}, \overset{\textcircled{2}}{17}$
 $\overset{\textcircled{4}}{18}, \overset{\textcircled{5}}{19}$
 $\overset{\textcircled{5}}{20}$

So, $15 + 5 = 20$

Addition on the Number Strip

- I. (a) 14 (b) 10 (c) 20
(d) 20 (e) 18 (f) 18
(g) 16 (h) 18 (i) 19

Horizontal and Vertical Addition

- I. (a) 10 (b) 11 (c) 12
(d) 13 (e) 14 (f) 15
(g) 16 (h) 17 (i) 18

II. (b) $= 10 + 4 + 5$
 $= 10 + 9$
 $= 19$

(c) $= 10 + 3 + 6$
 $= 10 + 9$
 $= 9$

Addition Story

- I. 12 boys + 5 girls = 17 children
There are total 17 children in the group.
- II. 7 sheep + 12 cows = 19 animals.
There are total 19 animals.
- III. 15 mangoes + 5 apples = 20 fruits.
There are total 20 fruits.

Subtraction by Crossing Out

- I. (a) 7 (b) 8
(c) 2 (d) 6

Subtraction on the Number Strip

- I. (a) 10 (b) 11 (c) 10
(d) 9 (e) 11 (f) 9
(g) 10 (h) 7 (i) 8

Horizontal and Vertical subtraction

- I. (a) 17 (ii)
(b) 18 (iv)
(c) 19 (v)
(d) 20 (i)
(e) 15 (iii)
- II. (i) 15 (ii) 16 (iii) 19
(iv) 19 (v) 14 (vi) 17

Subtraction Story

- I. 19 balloons – 8 balloons = 11 balloons,
11 balloons + 6 balloons = 17 balloons.
He have total 17 balloons.
- II. 16 pencils – 6 pencils = 10 pencils,
10 pencils + 10 pencils = 20 pencils
Reena have total 20 pencils.
- III. 18 birds – 9 birds = 9 birds,
9 birds + 6 birds = 15 birds.
15 birds will be on the branch.

Skills Practice

I. Think and Answer

1. 6 2. 8
3.
II. Do it yourself.

Concept Practice

Taller-Shorter

I. (a) (i) ☒(ii) ☒(b) (i) ☒(ii) ☒

Tallest-Shortest

I.



Nearer-Farther

I.



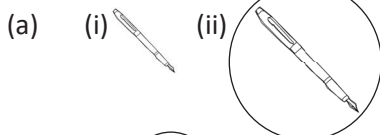
Nearest - Farthest

I. (a) Ram, Sonu

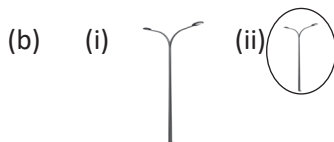
(b) Radha, Shyam

Longer-Shorter

I.

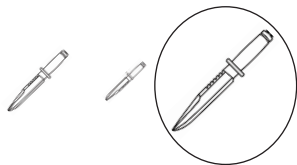


II.



Longest-Shortest

I.

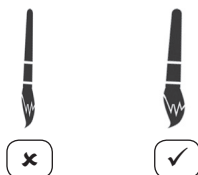


II.

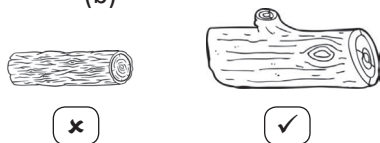


Thicker-Thinner

I. (a)



(b)



Thickest-Thinnest

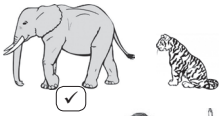
I. (c)



Measuring Length

- I. Do it yourself
- II. Do it yourself
- III. Do it yourself

Heavier- Lighter

- I. (a)  ☒
- (b)  ☒
- II. (a)  ☐
- (b)  ☐

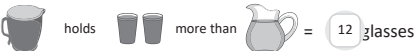
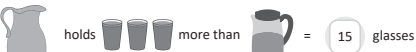
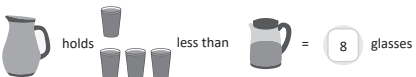
Heaviest- Lightest

- I. (a)  ☒
- II. (a)  ☒

Measuring Capacity

- I. (a) 4
- (b) 4
- (c) 6
- (d) 20

Comparing Capacity

- I.  holds more than  = 12 glasses
-  holds more than  = 15 glasses
-  holds less than  = 8 glasses

Skills Practice

I. Think and Answer

1. Do it yourself.
2. (a) The ball
- (b) The balloon
3. (a) a giraffe
- (b) a pond
- (c) a pencil
- (d) down

08 Fun with Numbers

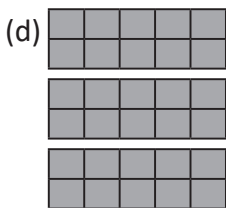
(NUMBERS 21 TO 99)

Concept Practice

Numbers 21-30

- I. (b)

- (c)



II. (a) 15, 16, 17, 18, 19, 20,
21, 22, 23, 24, 25

(b) 30, 29, 28, 27, 26, 25,
24, 23, 22, 21, 20

(c) 11, 12, 13, 14, 15, 16,
17, 18, 19, 20, 21

III. (a) 30 (b) 21

(c) 13 (d) 26

(e) 30 (f) 27

IV. (a) 19 (b) 13

(c) 26 (d) 27

(e) 24 (f) 23

V. (a) 25 (b) 28

(c) 22 (d) 23

(e) 26 (f) 29

Numbers 31 - 50

I. (a) 2 - Twenty two

(b) 5 - Thirty five

(c) 48 - Forty eight

(d) 40 - Forty nine

(e) 30 and 6 - Thirty
six

(f) 20 and 8 - Twenty
eight

II. (a) 24, 25, 26, 27, 28, 29

(b) 31, 32, 33, 34, 35, 36

(c) 39, 40, 41, 42, 43, 44

(d) 45, 46, 47, 48, 49, 50

III. (a) 33, Thirty three

(b) 38, Thirty eight

(c) 47, Forty seven

IV. Smallest Greatest

21 45

22 50

12 50

19 48

Numbers 51-99

I. (a) 54 - Fifty four

(b) 66 - Sixty six

(c) 85 - Eighty five

(d) 93 - Ninety three

(e) 65 - Sixty five

(f) 79 - Seventy nine

II.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

III. (a) 75 (b) 99

(c) 53 (d) 86

(e) 82 (f) 62

- (g) 69 (h) 99
 (i) 98 (j) 74
 (k) 77 (l) 51

- IV. (a) 82, 77, 88, 95
 (b) 56, 65, 78, 85, 99
 (c) 53, 64, 73, 82
- V. (a) 92, 79, 62, 59
 (b) 99, 88, 57, 55
 (c) 98, 89, 76, 67

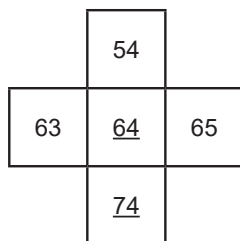
Skill Practice

I. Think and Answer

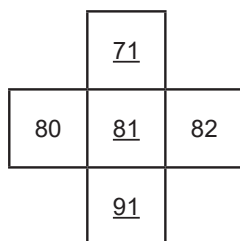
1. 44.43 and 45
 2. 100

II. Let's Do

1. Do it yourself
 2. Do it yourself
 3. (b)



(c)



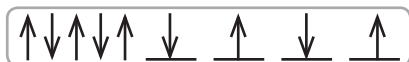
09 Utsav

(PATTERNS)

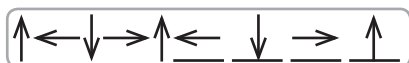
Concept Practice

Patterns with Pictures

I. (a)



(b)



(c)



(d)



(e)



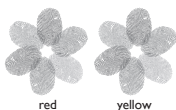
(f)



Patterns with Finger Prints

I.

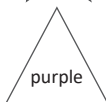




II. Do it yourself

Patterns with Colours

I.



Patterns with Numbers

- I. (a) 2, 4, 6, 8, 10, 12
 (b) 5, 10, 15, 20, 25, 30
 (c) 21, 24, 27, 30, 33, 36
 (d) 0, 10, 20, 30, 40, 50
 (e) 30, 32, 34, 36, 38, 40
 (f) 33, 34, 35, 36, 37, 38

- II. (a) False
 (b) True
 (c) False
 (d) False
 (e) True
 (f) True

- III. (a) 20, 30, 40, 50, 60, 70
 (b) 25, 35, 45, 55, 65, 75
 (c) 11, 12, 13, 14, 15, 16
 (d) 35, 40, 45, 50, 55, 60
 (e) 3, 5, 7, 9, 11, 13

Rangoli Patterns

I. Do it yourself

Skills Practice

I. Think and Answer

1. (a) 12, 14, 16, 18, 20
 (b) 11, 13, 15, 17, 19
 (c) 30, 35, 40, 45, 50
 (d) 66, 77, 88, 99, 110

II. Do it yourself

10 How Do I Spend My Day?

(TIME)

Concept Practice

Daily Routine

- I. (a), (g), (b), (h)

II. (d)

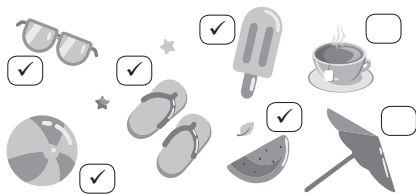
III. (a), (e)

Duration of an Activity

- I. (a) (i) (b) (i)

Seasons

I.



II.



- III. 1. Go for the picnic at the park.
2. Fly a kite.

3. Blow bubble.

IV. Do it yourself.

Skills Practice

I. Think and Answer

1. (a) Morning
(b) Afternoon
(c) Evening
(d) Night
2. (a) Summer
(b) Spring
(c) Monsoon
(d) Winter

11 How Many Times?

(MULTIPLICATIONS)

Concept Practice

Multiplication As Repeated Addition

- I. (a) 8, 8, 8
(b) 9, 9, 9
(c) 18, 18, 18
(d) 10, 10, 10
- II. (a) 5, 3
15
 $5 \times 3 = 15$
(b) 5, 4
20

$$5 \times 4 = 20$$

- (c) 6, 5
30
 $6 \times 5 = 30$
(d) 6, 11
66
 $11 \times 6 = 66$

- III. (a) $= 5 \times 2$
 $= 8 \times 2$
 $= 4 \times 3$
 $= 6 \times 4$
 $= 5 \times 5$

- IV. (a) — (ii)
 (b) — (i)
 (c) — (iv)
 (d) — (iii)

Skills Practice

I. Think and Answer

1. $5 + 5 + 5 = 15$
 $3 \times 5 = 15$

2. $2 \times 2 = 4$
 $1 \times 3 = 3$
 $4 \times 1 = 4$
3. Yes, Because
 $4 + 4 + 4 = 12$ and
 $3 + 3 + 3 + 3 = 12$
- II. Do it yourself.

12 How Much Can We Spend?

(MONEY)

Concept Practice

Coins and Notes

- I. (i) 1 (v) 5
 (ii) 10 (vi) 2
 (iii) 100 (vii) 10
 (iv) 50 (viii) 20
- II. (i) 18 (v) 30
 (ii) 25 (vi) 22
 (iii) 52 (vii) 37
 (iv) 11 (viii) 12
- III. (a) ₹35
 (b) ₹18
 (c) ₹17
 (d) ₹27

Money Exchange

- I. (ii) b

(iii) a, b

(iv) b, b

(v) c

(vi) a, c

(vii) b, c

- II. (i) True (v) False
 (ii) False (vi) True
 (iii) True (vii) False
 (iv) False (viii) True

Skills Practice

I. Think and Answer

1. ₹
 2. 10
 3. (a) 25, 30
 (b) 50, 60

13 So Many Toys

(DATA HANDLING)

Concept Practice

Recording and Interpreting Data

I.

	4
	3
	5
	2
	4

Banana, Pear.

II.

- (a) 6
- (b) 7
- (c) 5
- 1. 18
- 2. Brinjal
- 3. Tomato

III.

- (a) 4, 5, 3, 6
- (b) 1
- (c) 3
- (d) Pears
- (e) 18

IV.

- 2, 4, 5, 1
- (a) 4 (b) 1
- (c) 2 (d) Mango
- (e) Litchi (f) 1
- (g) 12

Skills Practice

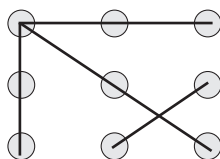
I. Think and Answer

- 1. (b)
- II. Do it yourself.

Puzzles

- 1. 14
- 2. 16

3.

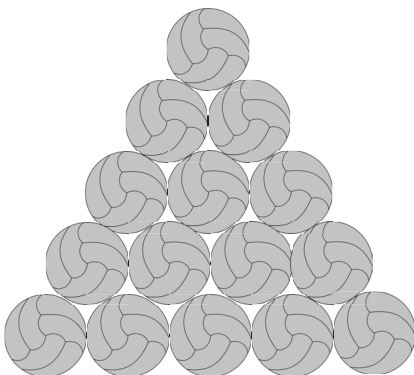
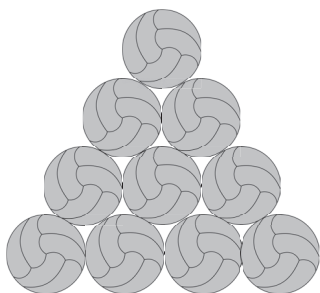


- 4. Balloon 6 and balloon 5

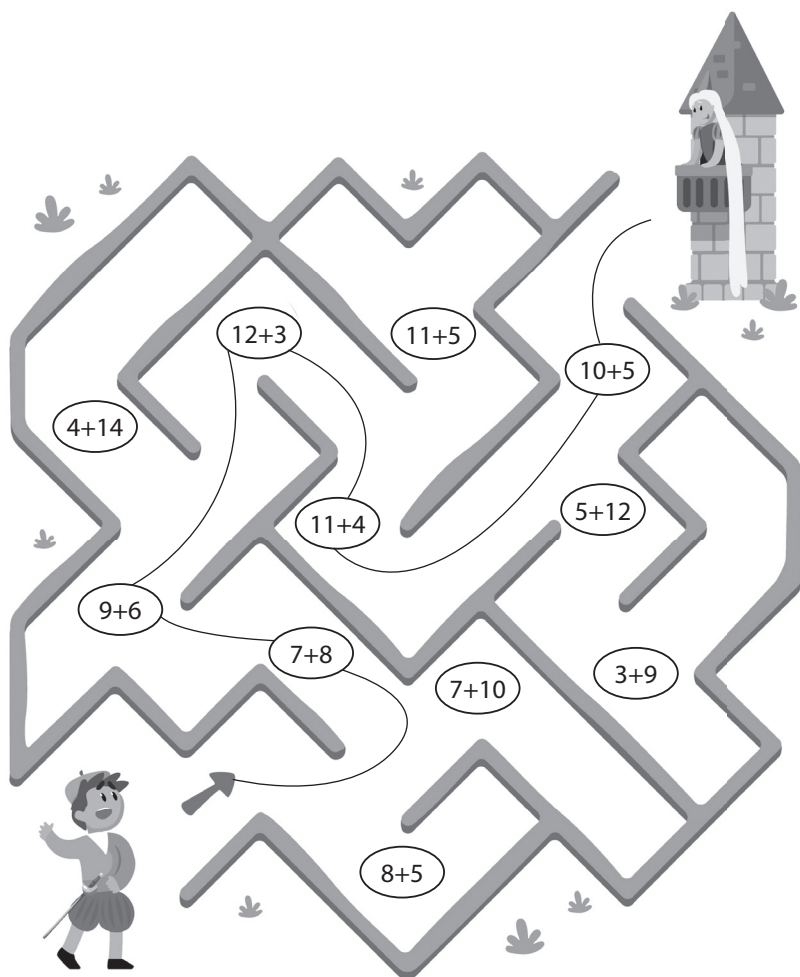
5.

				1	+	<u>3</u>	=	4					5		
						-							+		
7	6 - <u>4</u> = 2					=							<u>4</u>		
-						=							=		
<u>3</u>				7			1	+	8	=	<u>9</u>				
=				-					-						
4	+	<u>1</u>	=	5					4	-	<u>4</u>	=	0		
				=					=			+			
				2	+	<u>2</u>	=	<u>4</u>							
						+									
				3	+	<u>4</u>	+	<u>7</u>			9	-	<u>7</u>	=	2
				+			=								
				<u>2</u>					9	-	<u>3</u>	=	6		
				=											
				5											

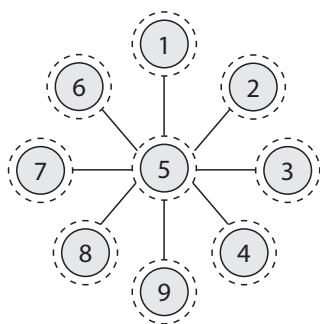
6.



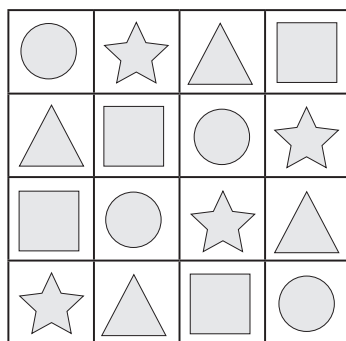
7.



8.



9.



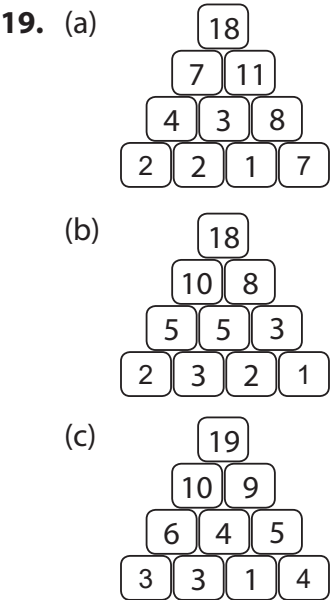
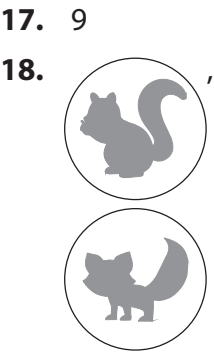
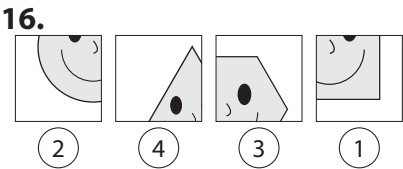
10.

1	2	4	3
4	3	1	2
3	4	2	1
4	1	3	4



13. 6

14. (a) 8
 (b) 9
 (c) 55
 (d) 65
 (e) 32
 (f) 72



20.

Smaller Chest	Largest Chest
4 3 5	5 3 2 4 5 1 3 2 4 1