

**ROOTS UKG Numeracy**  
**Term-1**  
**ANSWER KEY**

**Teacher's Manual**

**Page no.7- 8:**

Do it yourself [Activity based question]

**Page No.-9:**

2 bees; 2 dots; 2

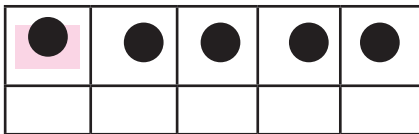
4 fingers; 4; 4 dots

6; 6 bees; 6 dots

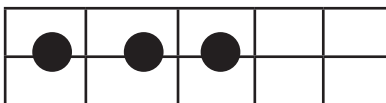
8; 8 fingers; 8 dots

10 bees; 10; 10 fingers (two hands)

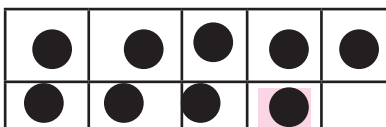
**Page No.- 10**



5



3



9

**Page No. - 11**

Count forward and backward. Fill in the missing numbers.

1;2;3;4;5;6;7;8;9;10

10;9;8;7;6;5;4;3;2;1

Count the group members and write the number.

4; 5

**Page No. -12**

zero; one; two; three; four; five; six; seven; eight; nine; ten

**Page No. - 13**

5th banana; 1st apple; 2nd pineapple; 4th pear

**Page No.-14**

Do it yourself- Activity based questions

**Page No.-15 and 16**

Colour the first five jugs.

Colour the first seven hearts.

Colour the first six books.

Colour the first eight water droplets.

Colour the first ten fish.

Colour the first nine trees.

**Page No.-17 and 18**

Do it yourself- Activity based questions

**Page No.-19:**

- Large Gorilla: Matches the large bed (bottom right) and the large chair (top left).
- Medium Gorilla: Matches the medium stool (top right) and the medium chair (centre bottom).
- Small Gorilla: Matches the small stool (centre top) and the small bed (bottom left).

**Page No.-20:**

- Large T-shirt (L): Goes to the tallest child on the left.
- Medium T-shirt (M): Goes to the child in the middle.
- Small T-shirt (S): Goes to the smallest child on the right.

**Page No.-21:**

1-b; 2-e; 3-a; 4-d; 5-c (Spiders and webs)

1-a; 2-d; 3-e; 4-b; 5-c (dogs and kennels)

**Page No. -22**

Talk time: Mercury; Mercury; Venus; Jupiter

**Page No. -23**

Giraffe-9; tree-10; zebra-5; elephant-7; goat-4

**Page No. -24**

Colour the measurement bar till 3rd number.

Colour the measurement bar till 9th number.

Colour the measurement bar till 7th number.

Heavy weight (The scale is tipped down on the side with the weight); cake

Weight is the heaviest.

**Page No. -25**

Do it yourself- Activity based questions

**Page No. -26**

H; F; E

F; H; E

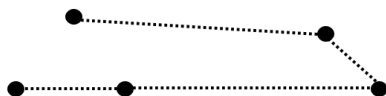
F; E; H

**Page No. -27**

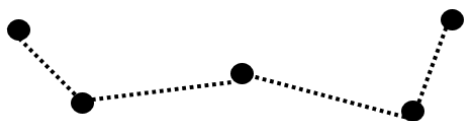
Do it yourself- Activity based questions

**Page No. -28 and 29**

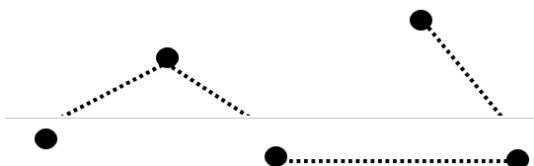
Length: longest to shortest



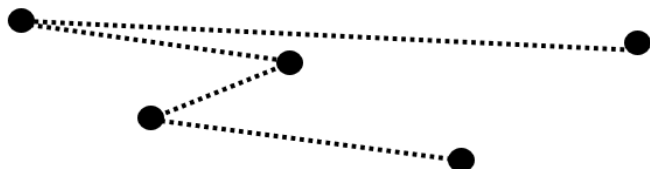
Width: thinnest to thickest



Height: tallest to shortest



Weight: heaviest to lightest



## Page No.-32 and 33

Do it yourself- Activity based questions

## Page No. -34

10 flowers; 10 slices of pizza; 10 pencils

## Page No. -35

Draw individual 10 cups.

Draw individual 10 pencils.

Draw individual 10 cubes.

## Page No. -36

1-d; 2-e; 3-c; 4-a; 5-b

## Page No. -37

1-f; 2-c; 3-b; 4-e; 5-d; 6-a

**Page No. -38**

Do it yourself- Activity based questions

**Page No. -39**

1,2,3,4,5,6,7,8,9,10,11

**Page No. -40**

Do it yourself- Activity based questions

**Page No. -41**

Counting; singing; listening to stories; solving puzzles;  
building blocks; gardening; playing; greeting; drawing;  
looking after things; taking turns; reading

**Page No. -42**

Do it yourself- Activity based questions

**Page No. -43**

1; 4; 5; 8; 7; 9; 6; 3; 10; 2

**Page No. -44 to 47**

Do it yourself- Activity based questions

**Page No. - 48**

Balloons (X); Squares(X); Squares(X)

**Page No. -49**

15 squares (2nd picture); 15; one block and 5cubes(1st picture);  
15 butterflies(2nd picture)

**Page No. -50 to 52**

Do it yourself- Activity based questions

**Page No. -53**

1. A girl on a bicycle: The source of energy is the girl's muscles (from the food she eats).

2. A plant: The source of energy is the sun.
3. A car at a gas station: The source of energy is gasoline (fuel).
4. A boy eating: The source of energy is the food he's eating.
5. A light bulb: The source of energy is electricity.
6. A rabbit: The source of energy is the food it eats.
7. A boy with a windmill: The source of energy is the wind.

**Page No. -54 to 59**

Do it yourself- Activity based questions

**Page No. -60**

16 –one block and 6 cubes; 19-one block and 9 cubes

17; 18

16 flowers match to one block and 6 cubes

**Page No. -61**

13 butterflies; 16 beetles; 20 ladybugs; 18 bees; 19 grasshoppers

**Page No. -64**

3rd row flowers are matching pattern.

**Page No. -65**

2nd picture; 4th picture; 3rd picture; 1st picture

**Page No.-66**

1st row train-red, blue, red, blue, red, blue

2nd row train-red, blue, yellow, red, blue, yellow

3rd row train- red, red, blue, blue, red, red

### **Page No. -67**

1st row- red, green, red, green, red, green

2nd row-red, dark green, light green, red, dark green, light green

3rd row-red, red, green, red, red, green

4th row-red, green, green, red, green, green

5th row-red, red, green, green, red, red, green, green

### **Page No. -68 and 69**

Do it yourself- Activity based questions

### **Page No. -70**

Growing pattern-2nd pictures of trees

Shrinking pattern-1st pictures of bears

### **Page No. -71**

- Colour 3 mangoes. Then, colour 4 mangoes.
- Colour 6 leaves. Then, colour 8 leaves.
- Colour 2 circles. Then, colour only 1 circle

### **Page No. -72**

Colour the boxes based on the left-sided pictures.

### **Page No. -73**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>



Page No. -74

12-13

18-19

14-15

9-10

15-16

7-8

19-20

10-11

Page No. -75

7   8   9

5   6   7

14   15   16

4   5   6

9   10   11

10   11   12

17   18   19

18   19   20

Page No. -76

13; 9; 15; 8; 11; 19; 17; 10

Page No. -77

9 comes before 10.

16 comes before 17.

13 comes after 12.

9 comes after 8.

Page No. -78

4 bubbles, 3 bubbles, 2 bubbles, 1 bubble (1st picture)

4 dots on fourth pot, 5 dots on fifth pot, 6 dots on sixth pot

Colour pattern: Blue, Yellow, Blue, Yellow, Blue, Yellow, Blue, Yellow (can be different)



Shape pattern:

Page No.- 7

<b>7</b>	<b>8</b>	<b>9</b>		<b>4</b>	<b>5</b>	<b>6</b>
<b>8</b>	<b>9</b>	<b>10</b>		<b>10</b>	<b>11</b>	<b>12</b>
<b>9</b>	<b>10</b>	<b>11</b>		<b>11</b>	<b>12</b>	<b>13</b>
<b>6</b>	<b>7</b>	<b>8</b>		<b>13</b>	<b>14</b>	<b>15</b>

Page No. -82

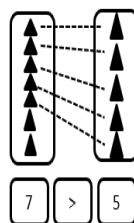
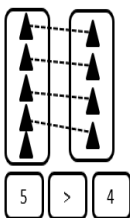
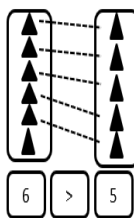
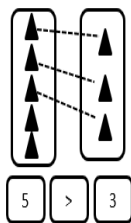
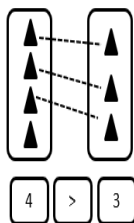
5 is less than 6

4 is less than 5.

8 is less than 9.

12 is less than 13.

Page No. - 83



**Write the correct symbol: < or >.**

$2 < 4$ ;  $6 > 1$ ;  $5 > 3$ ;

$3 < 5$ ;  $8 > 5$ ;  $7 < 9$

**Page No. - 84**

6	>	2
---	---	---

---

4	=	4
---	---	---

1	<	4
---	---	---

9	>	8
---	---	---

**Page No. - 85**

5	<	9
---	---	---

6	<	8
---	---	---

5	=	5
---	---	---

7	>	6
---	---	---

**Page No. -86**

7,9,3;      11,16,8;      3,6,14;    14,15,6  
8,19,10      9,19,6      5,13,8

**Page No. -87**

2nd row- 17; 3rd row- 11

4th row- 19; 5th row- 20

**Page No. -88**

on; under; in front; behind; up

**Page No. -89**

inside; far; top(chick); outside; near

**Page No. -91**

Do it yourself- Activity based questions

**Page No. -92**

A triangle has 3 sides and 3 corners.

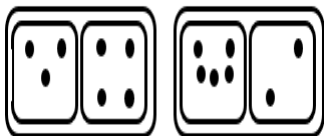
A rectangle has 4 sides and 4 corners.

A circle has 0 sides and 0 corners.

**Page No. -93**

$6 > 2$

2; 6; 8; 7

**Page No. -96**

1-e; 2-f; 3-d; 4-a; 5-c; 6-g; 7-b

**Page No. -97**

Cube: Gift box; Cardboard box; Dice; Building block with “ABC” on it

**Sphere:** Globe; Football; Orange

**Page No. -98**

**Cylinder:** Bucket; Can; Rolling pin

**Cone:** Birthday hats; Ice cream cone

**Page No.-99**

Do it yourself- Activity based questions

**Page No. -100**

$8 > 7$ ;  $7 > 6$ ;  $3 > 2$  (answers can be different)

in; near; far

**Page No. -101**

Triangle-Cone; Circle-Sphere; Rectangle-Cuboid; Square-Cube