

# **Reception**

# **Arithmetic**

# **Questions**

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### Answers and Glossary

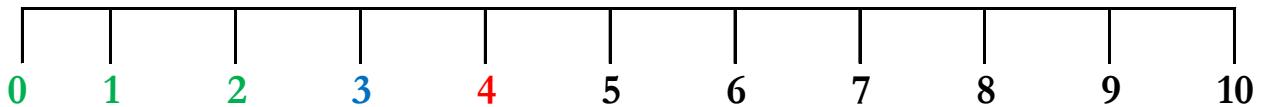
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## Key Language and Representations

**Word Problems** are the arithmetic number sentences written in a real-life reasoning and problem solving scenario. e.g.  $2 + 1 = 3$

**Concrete Objects** are manipulated or handled to calculate and represent a number sentence i.e. multilink cubes used for counting, sharing and halving.  
e.g.  $2 + 3 = 5$  

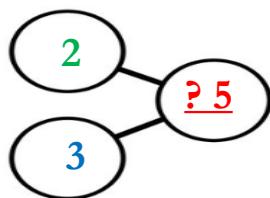
**Number Lines** are used to count forwards e.g. 0, 1, 2, 3, 4, 5 and also to count backwards e.g. 10, 9, 8, 7, 6, 5.



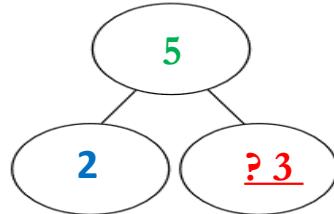
**Strategy Applied** refers to when a formal written method is used to calculate a number sentence e.g.  $20 - 5 = 15$  Explained using appropriate mathematical language, proven using concrete objects that can be handled, shown with pictorial representations visualising the calculations, to ensure a greater understanding of a mathematical concept.

**Part Whole Models** are pictorial mathematical images to represent varied calculations and number sentences.

e.g.  $2 + 3 = ?5$

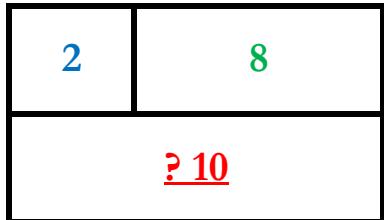


e.g.  $5 - 2 = ?3$



**Bar Models** are an image, that pictorially represents a number sentence.

e.g.  $2 + 8 = ?10$



e.g.  $10 - 2 = ?8$



## Number Grid

0	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	101	102	103	104	105	106	107	108	109
110	111	112	113	114	115	116	117	118	119
120	121	122	123	124	125	126	127	128	129
130	131	132	133	134	135	136	137	138	139
140	141	142	143	144	145	146	147	148	149
150	151	152	153	154	155	156	157	158	159

## Multiplication Square

x	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0
1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100
11	22	33	44	55	66	77	88	99	110
12	24	36	48	60	72	84	96	108	120

## 1 More Than

$1) \quad 2 + 1 = \underline{\hspace{2cm}}$

$2) \quad 0 + 1 = \underline{\hspace{2cm}}$

$3) \quad 4 + 1 = \underline{\hspace{2cm}}$

$4) \quad 6 + 1 = \underline{\hspace{2cm}}$

$5) \quad 8 + 1 = \underline{\hspace{2cm}}$

$6) \quad 1 + 1 = \underline{\hspace{2cm}}$

$7) \quad 3 + 1 = \underline{\hspace{2cm}}$

$8) \quad 5 + 1 = \underline{\hspace{2cm}}$

$9) \quad 7 + 1 = \underline{\hspace{2cm}}$

$10) \quad 9 + 1 = \underline{\hspace{2cm}}$

$11) \quad 12 + 1 = \underline{\hspace{2cm}}$

$12) \quad 14 + 1 = \underline{\hspace{2cm}}$

$13) \quad 17 + 1 = \underline{\hspace{2cm}}$

$14) \quad 19 + 1 = \underline{\hspace{2cm}}$

## To 5

$1) \quad 2 + 3 = \underline{\hspace{2cm}}$

$2) \quad 0 + 5 = \underline{\hspace{2cm}}$

$3) \quad 4 + 1 = \underline{\hspace{2cm}}$

$4) \quad 5 + 0 = \underline{\hspace{2cm}}$

$5) \quad 3 + 2 = \underline{\hspace{2cm}}$

$6) \quad 1 + 4 = \underline{\hspace{2cm}}$

$7) \quad \underline{\hspace{2cm}} = 0 + 5$

$8) \quad \underline{\hspace{2cm}} = 2 + 3$

$9) \quad \underline{\hspace{2cm}} = 4 + 1$

$10) \quad \underline{\hspace{2cm}} = 5 + 0$

$11) \quad \underline{\hspace{2cm}} = 3 + 2$

$12) \quad \underline{\hspace{2cm}} = 1 + 4$

$13) \quad \underline{\hspace{2cm}} = 2 + 3$

$14) \quad \underline{\hspace{2cm}} = 5 + 0$

## **To 10**

$1) \quad 7 + 3 = \underline{\hspace{2cm}}$

$2) \quad 10 + 0 = \underline{\hspace{2cm}}$

$3) \quad 6 + 4 = \underline{\hspace{2cm}}$

$4) \quad 4 + 6 = \underline{\hspace{2cm}}$

$5) \quad 2 + 8 = \underline{\hspace{2cm}}$

$6) \quad 0 + 10 = \underline{\hspace{2cm}}$

$7) \quad 9 + 1 = \underline{\hspace{2cm}}$

$8) \quad 8 + 2 = \underline{\hspace{2cm}}$

$9) \quad 5 + 5 = \underline{\hspace{2cm}}$

$10) \quad 3 + 7 = \underline{\hspace{2cm}}$

$11) \quad 1 + 9 = \underline{\hspace{2cm}}$

$12) \underline{\hspace{2cm}} = 2 + 8$

$13) \underline{\hspace{2cm}} = 3 + 7$

$14) \underline{\hspace{2cm}} = 4 + 6$

## **To 15**

$1) \ 12 + 3 = \underline{\quad}$

$2) \ 15 + 0 = \underline{\quad}$

$3) \ 11 + 4 = \underline{\quad}$

$4) \ 9 + 6 = \underline{\quad}$

$5) \ 7 + 8 = \underline{\quad}$

$6) \ 5 + 10 = \underline{\quad}$

$7) \ 3 + 12 = \underline{\quad}$

$8) \ 1 + 14 = \underline{\quad}$

$9) \ 14 + 1 = \underline{\quad}$

$10) \ 13 + 2 = \underline{\quad}$

$11) \ 10 + 5 = \underline{\quad}$

$12) \ 8 + 7 = \underline{\quad}$

$13) \ 6 + 9 = \underline{\quad}$

$14) \ 4 + 11 = \underline{\quad}$

## **To 20**

$1) \ 15 + 5 = \underline{\quad}$

$2) \ 12 + 8 = \underline{\quad}$

$3) \ 14 + 6 = \underline{\quad}$

$4) \ 16 + 4 = \underline{\quad}$

$5) \ 18 + 2 = \underline{\quad}$

$6) \ 20 + 0 = \underline{\quad}$

$7) \ 19 + 1 = \underline{\quad}$

$8) \ 17 + 3 = \underline{\quad}$

$9) \ 10 + 10 = \underline{\quad}$

$10) \ 13 + 7 = \underline{\quad}$

$11) \ 11 + 9 = \underline{\quad}$

$12) \ 9 + 11 = \underline{\quad}$

$13) \ 8 + 12 = \underline{\quad}$

$14) \ 6 + 14 = \underline{\quad}$

## **Multiple 1s**

In each **number pattern**, find the next two missing numbers.

1) 0, 1, 2, \_\_, \_\_

2) 1, 2, 3, \_\_, \_\_

3) 2, 3, 4, \_\_, \_\_

4) 3, 4, 5, \_\_, \_\_

5) 4, 5, 6, \_\_, \_\_

6) 5, 6, 7, \_\_, \_\_

7) 6, 7, 8, \_\_, \_\_

8) 7, 8, 9, \_\_, \_\_

9) 8, 9, 10, \_\_, \_\_

10) 9, 10, 11, \_\_, \_\_

11) 10, 11, 12, \_\_, \_\_

12) 11, 12, 13, \_\_, \_\_

13) 12, 13, 14, \_\_, \_\_

14) 15, 16, 17, \_\_, \_\_

## Multiple 2s

In each **number pattern**, find the next two missing numbers.

1) 0, 2, 4, \_\_, \_\_

2) 2, 4, 6, \_\_, \_\_

3) 4, 6, 8, \_\_, \_\_

4) 6, 8, 10, \_\_, \_\_

5) 12, 14, 16, \_\_, \_\_

6) 1, 3, 5, \_\_, \_\_

7) 3, 5, 7, \_\_, \_\_

8) 5, 7, 9, \_\_, \_\_

9) 7, 9, 11, \_\_, \_\_

10) 9, 11, 13, \_\_, \_\_

11) 11, 13, 15, \_\_, \_\_

12) 13, 15, 17, \_\_, \_\_

13) 0, 2, 4, \_\_, \_\_

14) 10, 12, 14, \_\_, \_\_

## Multiple 3s

In each **number pattern**, find the next two missing numbers.

1) 0, 3, 6, \_\_, \_\_

2) 3, 6, 9, \_\_, \_\_

3) 6, 9, 12, \_\_, \_\_

4) 9, 12, 15, \_\_, \_\_

5) 1, 4, 7, \_\_, \_\_

6) 2, 5, 8, \_\_, \_\_

7) 4, 7, 10, \_\_, \_\_

8) 5, 8, 11, \_\_, \_\_

9) 7, 10, 13, \_\_, \_\_

10) 8, 11, 14, \_\_, \_\_

11) 0, 3, 6, \_\_, \_\_

12) 3, 6, 9, \_\_, \_\_

13) 6, 9, 12, \_\_, \_\_

14) 9, 12, 15, \_\_, \_\_

## Multiple 4s

In each **number pattern**, find the next two missing numbers.

1) 0, 4, 8, \_\_, \_\_

2) 4, 8, 12, \_\_, \_\_

3) 8, 12, 14, \_\_, \_\_

4) 1, 5, 9, \_\_, \_\_

5) 2, 6, 10, \_\_, \_\_

6) 3, 7, 11, \_\_, \_\_

7) 5, 9, 13, \_\_, \_\_

8) 7, 11, 15, \_\_, \_\_

9) 0, 4, 8, \_\_, \_\_

10) 4, 8, 12, \_\_, \_\_

11) 8, 12, 14, \_\_, \_\_

12) 1, 5, 9, \_\_, \_\_

13) 2, 6, 10, \_\_, \_\_

14) 3, 7, 11, \_\_, \_\_

## Multiple Numbers

$1) \quad 1 + 2 + 3 = \underline{\hspace{2cm}}$

$2) \quad 2 + 1 + 4 = \underline{\hspace{2cm}}$

$3) \quad 3 + 4 + 2 = \underline{\hspace{2cm}}$

$4) \quad 4 + 1 + 0 = \underline{\hspace{2cm}}$

$5) \quad 5 + 2 + 1 = \underline{\hspace{2cm}}$

$6) \quad 6 + 3 + 2 = \underline{\hspace{2cm}}$

$7) \quad 7 + 5 + 3 = \underline{\hspace{2cm}}$

$8) \quad 8 + 1 + 4 = \underline{\hspace{2cm}}$

$9) \quad 9 + 2 + 5 = \underline{\hspace{2cm}}$

$10) \quad 10 + 3 + 0 = \underline{\hspace{2cm}}$

$11) \quad 11 + 4 + 1 = \underline{\hspace{2cm}}$

$12) \quad 12 + 5 + 2 = \underline{\hspace{2cm}}$

$13) \quad 13 + 5 + 1 = \underline{\hspace{2cm}}$

$14) \quad 14 + 1 + 3 = \underline{\hspace{2cm}}$

## 1 Less Than

$1) \quad 6 - 1 = \underline{\hspace{2cm}}$

$2) \quad 2 - 1 = \underline{\hspace{2cm}}$

$3) \quad 8 - 1 = \underline{\hspace{2cm}}$

$4) \quad 4 - 1 = \underline{\hspace{2cm}}$

$5) \quad 10 - 1 = \underline{\hspace{2cm}}$

$6) \quad 12 - 1 = \underline{\hspace{2cm}}$

$7) \quad 14 - 1 = \underline{\hspace{2cm}}$

$8) \quad 16 - 1 = \underline{\hspace{2cm}}$

$9) \quad 18 - 1 = \underline{\hspace{2cm}}$

$10) \quad 20 - 1 = \underline{\hspace{2cm}}$

$11) \quad 19 - 1 = \underline{\hspace{2cm}}$

$12) \quad 17 - 1 = \underline{\hspace{2cm}}$

$13) \quad 15 - 1 = \underline{\hspace{2cm}}$

$14) \quad 13 - 1 = \underline{\hspace{2cm}}$

## From 5

$1) \quad 5 - 3 = \underline{\hspace{2cm}}$

$2) \quad 5 - 1 = \underline{\hspace{2cm}}$

$3) \quad 5 - 5 = \underline{\hspace{2cm}}$

$4) \quad 5 - 0 = \underline{\hspace{2cm}}$

$5) \quad 5 - 2 = \underline{\hspace{2cm}}$

$6) \quad 5 - 4 = \underline{\hspace{2cm}}$

$7) \quad \underline{\hspace{2cm}} = 5 - 5$

$8) \quad \underline{\hspace{2cm}} = 5 - 3$

$9) \quad \underline{\hspace{2cm}} = 5 - 1$

$10) \quad \underline{\hspace{2cm}} = 5 - 0$

$11) \quad \underline{\hspace{2cm}} = 5 - 2$

$12) \quad \underline{\hspace{2cm}} = 5 - 4$

$13) \quad \underline{\hspace{2cm}} = 5 - 3$

$14) \quad \underline{\hspace{2cm}} = 5 - 0$

## From 10

$1) \ 10 - 1 = \underline{\quad}$

$2) \ 10 - 3 = \underline{\quad}$

$3) \ 10 - 5 = \underline{\quad}$

$4) \ 10 - 7 = \underline{\quad}$

$5) \ 10 - 9 = \underline{\quad}$

$6) \ 10 - 0 = \underline{\quad}$

$7) \ 10 - 2 = \underline{\quad}$

$8) \ 10 - 4 = \underline{\quad}$

$9) \ 10 - 6 = \underline{\quad}$

$10) \ 10 - 8 = \underline{\quad}$

$11) \ 10 - 10 = \underline{\quad}$

$12) \underline{\quad} = 10 - 0$

$13) \underline{\quad} = 10 - 8$

$14) \underline{\quad} = 10 - 2$

## From 15

$1) 15 - 3 = \underline{\quad}$

$2) 15 - 5 = \underline{\quad}$

$3) 15 - 1 = \underline{\quad}$

$4) 15 - 7 = \underline{\quad}$

$5) 15 - 9 = \underline{\quad}$

$6) 15 - 0 = \underline{\quad}$

$7) 15 - 2 = \underline{\quad}$

$8) 15 - 4 = \underline{\quad}$

$9) 15 - 6 = \underline{\quad}$

$10) 15 - 8 = \underline{\quad}$

$11) 15 - 10 = \underline{\quad}$

$12) 15 - 11 = \underline{\quad}$

$13) 15 - 13 = \underline{\quad}$

$14) 15 - 15 = \underline{\quad}$

## From 20

$1) \ 20 - 5 = \underline{\quad}$

$2) \ 20 - 1 = \underline{\quad}$

$3) \ 20 - 7 = \underline{\quad}$

$4) \ 20 - 3 = \underline{\quad}$

$5) \ 20 - 9 = \underline{\quad}$

$6) \ 20 - 0 = \underline{\quad}$

$7) \ 20 - 2 = \underline{\quad}$

$8) \ 20 - 4 = \underline{\quad}$

$9) \ 20 - 6 = \underline{\quad}$

$10) \ 20 - 8 = \underline{\quad}$

$11) \ 20 - 10 = \underline{\quad}$

$12) \ 20 - 12 = \underline{\quad}$

$13) \ 20 - 15 = \underline{\quad}$

$14) \ 20 - 19 = \underline{\quad}$

## **Multiple 1s**

In each **number pattern**, find the next two missing numbers.

1) 7, 6, 5, \_\_, \_\_

2) 8, 7, 6, \_\_, \_\_

3) 9, 8, 7, \_\_, \_\_

4) 10, 9, 8, \_\_, \_\_

5) 11, 10, 9, \_\_, \_\_

6) 12, 11, 10, \_\_, \_\_

7) 13, 12, 11, \_\_, \_\_

8) 14, 13, 12, \_\_, \_\_

9) 15, 14, 13, \_\_, \_\_

10) 16, 15, 14, \_\_, \_\_

11) 17, 16, 15, \_\_, \_\_

12) 18, 17, 16, \_\_, \_\_

13) 19, 18, 17, \_\_, \_\_

14) 20, 19, 18, \_\_, \_\_

## Multiple 2s

In each **number pattern**, find the next two missing numbers.

1) 8, 6, 4, \_\_, \_\_

2) 10, 8, 6, \_\_, \_\_

3) 12, 10, 8, \_\_, \_\_

4) 14, 12, 10, \_\_, \_\_

5) 16, 14, 12, \_\_, \_\_

6) 18, 16, 14, \_\_, \_\_

7) 20, 18, 16, \_\_, \_\_

8) 19, 17, 15, \_\_, \_\_

9) 17, 15, 13, \_\_, \_\_

10) 15, 13, 11, \_\_, \_\_

11) 13, 11, 9, \_\_, \_\_

12) 11, 9, 7, \_\_, \_\_

13) 9, 7, 5, \_\_, \_\_

14) 10, 8, 6, \_\_, \_\_

## Multiple 3s

In each **number pattern**, find the next two missing numbers.

1) 12, 9, 6, \_\_, \_\_

2) 15, 12, 9, \_\_, \_\_

3) 18, 15, 12, \_\_, \_\_

4) 21, 18, 15, \_\_, \_\_

5) 20, 17, 14, \_\_, \_\_

6) 19, 16, 13, \_\_, \_\_

7) 17, 14, 11, \_\_, \_\_

8) 16, 13, 10, \_\_, \_\_

9) 14, 11, 8, \_\_, \_\_

10) 13, 10, 7, \_\_, \_\_

11) 21, 18, 15, \_\_, \_\_

12) 18, 15, 12, \_\_, \_\_

13) 15, 12, 9, \_\_, \_\_

14) 12, 9, 6, \_\_, \_\_

## Multiple 4s

In each **number pattern**, find the next two missing numbers.

1) 16, 12, 8, \_\_, \_\_

2) 20, 16, 12, \_\_, \_\_

3) 24, 20, 16, \_\_, \_\_

4) 23, 19, 15, \_\_, \_\_

5) 22, 18, 14, \_\_, \_\_

6) 21, 17, 13, \_\_, \_\_

7) 19, 15, 11, \_\_, \_\_

8) 18, 14, 10, \_\_, \_\_

9) 17, 13, 9, \_\_, \_\_

10) 24, 20, 16, \_\_, \_\_

11) 20, 16, 12, \_\_, \_\_

12) 16, 12, 8, \_\_, \_\_

13) 23, 19, 15, \_\_, \_\_

14) 22, 18, 14, \_\_, \_\_

## Multiple Numbers

$1) \quad 7 - 1 - 4 = \underline{\hspace{2cm}}$

$2) \quad 8 - 2 - 3 = \underline{\hspace{2cm}}$

$3) \quad 9 - 3 - 4 = \underline{\hspace{2cm}}$

$4) \quad 10 - 4 - 0 = \underline{\hspace{2cm}}$

$5) \quad 11 - 5 - 1 = \underline{\hspace{2cm}}$

$6) \quad 12 - 0 - 2 = \underline{\hspace{2cm}}$

$7) \quad 13 - 1 - 3 = \underline{\hspace{2cm}}$

$8) \quad 14 - 2 - 4 = \underline{\hspace{2cm}}$

$9) \quad 15 - 3 - 5 = \underline{\hspace{2cm}}$

$10) \quad 16 - 4 - 0 = \underline{\hspace{2cm}}$

$11) \quad 17 - 5 - 3 = \underline{\hspace{2cm}}$

$12) \quad 18 - 0 - 2 = \underline{\hspace{2cm}}$

$13) \quad 19 - 1 - 4 = \underline{\hspace{2cm}}$

$14) \quad 20 - 2 - 5 = \underline{\hspace{2cm}}$

## **Doubling**

$1) \quad 1 + 1 = \underline{\hspace{2cm}}$

$2) \quad 2 + 2 = \underline{\hspace{2cm}}$

$3) \quad 3 + 3 = \underline{\hspace{2cm}}$

$4) \quad 4 + 4 = \underline{\hspace{2cm}}$

$5) \quad 5 + 5 = \underline{\hspace{2cm}}$

$6) \quad 10 + 10 = \underline{\hspace{2cm}}$

$7) \quad 0 + 0 = \underline{\hspace{2cm}}$

$8) \quad 9 + 9 = \underline{\hspace{2cm}}$

$9) \quad 8 + 8 = \underline{\hspace{2cm}}$

$10) \quad 7 + 7 = \underline{\hspace{2cm}}$

$11) \quad 6 + 6 = \underline{\hspace{2cm}}$

$12) \quad \underline{\hspace{2cm}} = 2 + 2$

$13) \quad \underline{\hspace{2cm}} = 5 + 5$

$14) \quad \underline{\hspace{2cm}} = 10 + 10$

## Sharing

$1) \quad 4 \div 2 = \underline{\hspace{2cm}}$

$2) \quad 6 \div 2 = \underline{\hspace{2cm}}$

$3) \quad 8 \div 2 = \underline{\hspace{2cm}}$

$4) \quad 10 \div 2 = \underline{\hspace{2cm}}$

$5) \quad 12 \div 2 = \underline{\hspace{2cm}}$

$6) \quad 14 \div 2 = \underline{\hspace{2cm}}$

$7) \quad 16 \div 2 = \underline{\hspace{2cm}}$

$8) \quad 18 \div 2 = \underline{\hspace{2cm}}$

$9) \quad 20 \div 2 = \underline{\hspace{2cm}}$

$10) \quad 2 \div 2 = \underline{\hspace{2cm}}$

$11) \underline{\hspace{2cm}} = 20 \div 2$

$12) \underline{\hspace{2cm}} = 10 \div 2$

$13) \underline{\hspace{2cm}} = 8 \div 2$

$14) \underline{\hspace{2cm}} = 4 \div 2$

## Halving

$$1) \frac{1}{2} \text{ of } 2 = \underline{\quad}$$

$$2) \frac{1}{2} \text{ of } 4 = \underline{\quad}$$

$$3) \frac{1}{2} \text{ of } 6 = \underline{\quad}$$

$$4) \frac{1}{2} \text{ of } 8 = \underline{\quad}$$

$$5) \frac{1}{2} \text{ of } 10 = \underline{\quad}$$

$$6) \frac{1}{2} \text{ of } 12 = \underline{\quad}$$

$$7) \frac{1}{2} \text{ of } 14 = \underline{\quad}$$

$$8) \frac{1}{2} \text{ of } 16 = \underline{\quad}$$

$$9) \text{ Half of } 18 = \underline{\quad}$$

$$10) \text{ Half of } 20 = \underline{\quad}$$

## Answers

<b><u>P. 1</u></b>	<b><u>P. 2</u></b>	<b><u>P. 3</u></b>	<b><u>P. 4</u></b>	<b><u>P. 5</u></b>	<b><u>P. 6</u></b>
1) 3	1) 5	1) 10	1) 15	1) 20	1) 3,4
2) 1	2) 5	2) 10	2) 15	2) 20	2) 4,5
3) 5	3) 5	3) 10	3) 15	3) 20	3) 5,6
4) 7	4) 5	4) 10	4) 15	4) 20	4) 6,7
5) 9	5) 5	5) 10	5) 15	5) 20	5) 7,8
6) 2	6) 5	6) 10	6) 15	6) 20	6) 8,9
7) 4	7) 5	7) 10	7) 15	7) 20	7) 9,10
8) 6	8) 5	8) 10	8) 15	8) 20	8) 10,11
9) 8	9) 5	9) 10	9) 15	9) 20	9) 11,12
10) 10	10) 5	10) 10	10) 15	10) 20	10) 12,13
11) 13	11) 5	11) 10	11) 15	11) 20	11) 13,14
12) 15	12) 5	12) 10	12) 15	12) 20	12) 14,15
13) 18	13) 5	13) 10	13) 15	13) 20	13) 15,16
14) 20	14) 5	14) 10	14) 15	14) 20	14) 18,19

<b><u>P. 7</u></b>	<b><u>P. 8</u></b>	<b><u>P. 9</u></b>	<b><u>P. 10</u></b>	<b><u>P. 11</u></b>	<b><u>P. 12</u></b>
1) 6,8	1) 9,12	1) 12,16	1) 6	1) 5	1) 2
2) 8,10	2) 12,15	2) 16,20	2) 7	2) 1	2) 4
3) 10,12	3) 15,18	3) 18,22	3) 9	3) 7	3) 0
4) 12,14	4) 18,21	4) 13,17	4) 5	4) 3	4) 5
5) 18,20	5) 10,13	5) 14,18	5) 8	5) 9	5) 3
6) 7,9	6) 11,14	6) 15,19	6) 11	6) 11	6) 1
7) 9,11	7) 13,16	7) 17,21	7) 15	7) 13	7) 0
8) 11,13	8) 14,17	8) 19,23	8) 13	8) 15	8) 2
9) 13,15	9) 16,19	9) 12,16	9) 16	9) 17	9) 4
10) 15,17	10) 17,20	10) 16,20	10) 13	10) 19	10) 5
11) 17,19	11) 9,12	11) 18,22	11) 16	11) 18	11) 3
12) 19,21	12) 12,15	12) 13,17	12) 19	12) 16	12) 1
13) 6,8	13) 15,18	13) 14,18	13) 19	13) 14	13) 2
14) 16,18	14) 18,21	14) 15,19	14) 18	14) 12	14) 0

## Answers

<b>P. 13</b>	<b>P. 14</b>	<b>P.15</b>	<b>P. 16</b>	<b>P.17</b>	<b>P. 18</b>
1) 9	1) 12	1) 15	1) 4,3	1) 2,0	1) 3,0
2) 7	2) 10	2) 19	2) 5,4	2) 4,2	2) 6,3
3) 5	3) 14	3) 13	3) 6,5	3) 6,4	3) 9,6
4) 3	4) 8	4) 17	4) 7,6	4) 8,6	4) 12,9
5) 1	5) 6	5) 11	5) 8,7	5) 10,8	5) 11,8
6) 10	6) 15	6) 20	6) 9,8	6) 12,10	6) 10,7
7) 8	7) 13	7) 18	7) 10,9	7) 14,12	7) 8,5
8) 6	8) 11	8) 16	8) 11,10	8) 13,11	8) 7,4
9) 4	9) 9	9) 14	9) 12,11	9) 11,9	9) 5,2
10) 2	10) 7	10) 12	10) 13,12	10) 9,7	10) 4,1
11) 0	11) 5	11) 10	11) 14,13	11) 7,5	11) 12,9
12) 10	12) 4	12) 8	12) 15,14	12) 5,3	12) 9,6
13) 2	13) 2	13) 5	13) 16,15	13) 3,1	13) 6,3
14) 8	14) 0	14) 1	14) 17,16	14) 4,2	14) 3,0

<b>P. 19</b>	<b>P. 20</b>	<b>P.21</b>	<b>P. 22</b>	<b>P. 23</b>
1) 4,0	1) 2	1) 2	1) 2	1) 1
2) 8,4	2) 3	2) 4	2) 3	2) 2
3) 12,8	3) 2	3) 6	3) 4	3) 3
4) 11,7	4) 6	4) 8	4) 5	4) 4
5) 10,6	5) 5	5) 10	5) 6	5) 5
6) 9,5	6) 10	6) 20	6) 7	6) 6
7) 7,3	7) 9	7) 0	7) 8	7) 7
8) 6,2	8) 8	8) 18	8) 9	8) 8
9) 5,1	9) 7	9) 16	9) 10	9) 9
10) 12,8	10) 12	10) 14	10) 1	10) 10
11) 8,4	11) 9	11) 12	11) 10	
12) 4,0	12) 16	12) 4	12) 5	
13) 11,7	13) 14	13) 10	13) 4	
14) 10,6	14) 13	14) 20	14) 2	