

Key to

1

Soaring Higher and Higher in

MATHEMATICS



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1. NUMBERS UP TO 100

Page no. 6

1	2	3
5	6	
9	4	
8	7	

Page no. 7

1 One	2 Two	3 Three
4 Four	5 Five	6 Six
7 Seven	8 Eight	9 Nine

Page no. 8

7 Seven
6 Six
5 Five
4 Four

Page no. 9

3 Three
2 Two
1 One

Page no. 10

1	0			
2	1	0		
3	2	1	0	
4	3	2	1	0

Page no. 11

1 - One
2 - Two
3 - Three
4 - Four
5 - Five
6 - Six
7 - Seven
8 - Eight
9 - Nine
10 - Ten

Page no. 14

Numbers

11	13
15	17
19	12
14	16
18	20

Number names

Eleven	Twelve
Thirteen	Fourteen
Fifteen	Sixteen
Seventeen	Eighteen
Nineteen	Twenty

Page no. 15

Before	Between	After
1	2	6
4	5	8
6	9	10
9	12	12
11	15	14
14	18	18
16	13	20

Page no. 21

- 1 ten and 1 one are 11 Eleven
- 1 ten and 5 ones are 15 Fifteen
- 2 tens and 3 ones are 23 Twenty-three
- 2 tens and 4 ones are 24 Twenty-four
- 2 tens and 6 ones are 26 Twenty-six
- 3 tens and 7 ones are 37 Thirty-seven
- 3 tens and 9 ones are 39 Thirty-nine
- 4 tens and 2 ones are 42 Forty-two
- 4 tens and 8 ones are 48 Forty-eight
- 5 tens and 0 ones are 50 Fifty

Page no. 22

5 tens and 0 ones are 50 Fifty
 4 tens and 5 ones are 45 Forty-five
 3 tens and 6 ones are 36 Thirty-six
 3 tens and 4 ones are 34 Thirty-four
 2 tens and 7 ones are 27 Twenty-seven
 2 tens and 5 ones are 25 Twenty-five
 2 tens and 2 ones are 22 Twenty-two
 4 tens and 9 ones are 49 Forty-nine
 4 tens and 6 ones are 46 Forty-six
 4 tens and 2 ones are 42 Forty-two

Page no. 23**Count Forward 1 - 50**

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

Count Backward 50 - 1

50	49	48	47	46	45	44	43	42	41
40	39	38	37	36	35	34	33	32	31
30	29	28	27	26	25	24	23	22	21
20	19	18	17	16	15	14	13	12	11
10	9	8	7	6	5	4	3	2	1

Page no. 24

42		44
27		35
18		46
31		11
50		23

39	14
14	29
28	34
31	47
18	22

Page no. 25

Before	Between	After
34	39	30
26	31	50
35	45	31
42	44	47
15	24	39
32	34	27
47	38	12

Missing Numbers

20	30	24
21	48	16
27	37	42

Page no. 31

50	Fifty
52	Fifty-two
57	Fifty-seven
61	Sixty-one
63	Sixty-three
65	Sixty-five
79	Seventy-nine
74	Seventy-four
78	Seventy-eight
86	Eighty-six
81	Eighty-one
83	Eighty-three
90	Ninety
97	Ninety-seven
99	Ninety-nine

Page no. 32

5 tens and 3 ones	Fifty-three
5 tens and 4 ones	Fifty-four
5 tens and 6 ones	Fifty-six
6 tens and 2 ones	Sixty-two
6 tens and 5 ones	Sixty-five
6 tens and 7 ones	Sixty-seven
7 tens and 0 ones	Seventy
7 tens and 6 ones	Seventy-six
7 tens and 9 ones	Seventy-nine
8 tens and 5 ones	Eighty-five
8 tens and 7 ones	Eighty-seven
8 tens and 9 ones	Eighty-nine
9 tens and 1 one	Ninety-one
9 tens and 6 ones	Ninety-six
9 tens and 8 ones	Ninety-eight

Page no. 33**Numbers****Number names**

51

Fifty-nine

88

Sixty-eight

73

Seventy-six

84

Eighty-seven

62

Fifty-six

99

Sixty-three

83

Seventy-eight

95

Eighty-four

66

Ninety-one

55

Sixty

69

Eighty-nine

77

Fifty-two

Count Forward 1 – 100

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

Count Backward 100 – 1

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

Before	Between	After
11	18	37
22	25	44

33	36	55
44	47	66
55	69	73
66	74	82
77	81	100

Missing numbers

53	63	69
72	79	89
91	96	97

Page no. 38

30, 8	40, 9	50, 6
60, 7	80, 0	90, 4
20, 1	50, 7	10, 9
80, 6	30, 2	60, 8

Face Value	Place Value
0	0
2	20
3	3
4	40
5	50

Face Value	Place Value
4	4
7	70
5	5
6	60
9	9

Page no. 39

$16 > 13$	$14 < 17$	$15 = 15$
$14 < 19$	$12 = 12$	$18 > 15$

Page no. 40

>	<	>
>	<	<
>	>	=
=	=	<
<	<	<

Greatest number

56

42

88

28

94

Smallest number

20

35

9

89

28

21 > 12 or 12 < 21

83 > 38 or 38 < 83

42 > 24 or 24 < 42

65 > 56 or 56 < 65

Page no. 41**Ascending Order**

11	12	13	14	15	16	17	18
38	39	40	41	42	43	44	45

Descending Order

34	33	32	31	30	29	28	27
82	81	80	79	78	77	76	75

Page no. 42**Ascending order**

29	45	52	67	89	12	47	54	62	84
28	35	69	77	88	54	68	74	75	80
11	37	53	75	91	23	28	31	34	37

Descending Order

89	68	58	45	17	74	56	47	32	23
94	88	78	64	23	99	34	27	16	8
83	64	61	42	39	50	45	30	20	12

Page no. 44

27	49	58	34
67	13	29	15

Page no. 45

98	41	52	97
63	82	30	85

Smallest number

34

16

79

Greatest Number

43

61

97

68, 86, 66, 88
47, 74, 44, 77

35, 53, 33, 55
29, 92, 22, 99

Page no. 46

Revision Exercise

- | | |
|------------------------------|---------------------------|
| 1. a. 24 | b. 32 |
| c. 2 tens and 7 ones | d. 4 tens and 3 ones |
| 2. a. 50 | b. 36 |
| 3. a. 23, 24, 25, 26, 27, 28 | b. 73, 74, 75, 76, 77, 78 |
| 4. a. 54, 53, 52, 51, 50, 49 | b. 46, 45, 44, 43, 42, 41 |
| 5. a. 26 | b. 31 |
| | c. 50 |
| 6. a. = | b. > |
| | c. < |
| 7. a. 45 33 27 18 | b. 71 64 56 49 |

Page no. 47

Mental Maths

- | | | | |
|-------|--------|-------|----------------|
| 1. 13 | 2. Yes | 3. 37 | 4. 13 = 13 |
| 5. 58 | 6. 21 | 7. 65 | 8. 11 12 13 14 |
| 9. 47 | 10. 29 | | |

2. ADDITION

Page no. 48

$$\begin{aligned}1 + 1 &= 2 \\3 + 1 &= 4 \\4 + 2 &= 6\end{aligned}$$

Page no. 49

$$\begin{aligned}2 + 3 &= 5 \\3 + 3 &= 6 \\5 + 4 &= 9 \\4 + 3 &= 7\end{aligned}$$

Page no. 50

$$\begin{aligned}1 + 3 &= 4 \\5 + 3 &= 8 \\2 + 1 &= 3 \\4 + 5 &= 9 \\3 + 2 &= 5 \\3 + 3 &= 6 \\3 + 4 &= 7 \\7 + 2 &= 9\end{aligned}$$

Page no. 51

Add Horizontally

7	4	9
5	8	6
9	8	7
7	9	8

Add Vertically

5	4	6	7	3
6	9	8	9	4
9	6	7	8	9

Page no. 52

Adding zero

5	2	6	8
1	9	4	

Adding One

6	7	8	9
2	5	10	

Page no. 53

$1 + 0 = 1$
$0 + 1 = 1$

$2 + 0 = 2$
$1 + 1 = 2$
$0 + 2 = 2$

$3 + 0 = 3$
$2 + 1 = 3$
$1 + 2 = 3$
$0 + 3 = 3$

$4 + 0 = 4$
$3 + 1 = 4$
$2 + 2 = 4$
$1 + 3 = 4$
$0 + 4 = 4$

$5 + 0 = 5$
$4 + 1 = 5$
$3 + 2 = 5$
$2 + 3 = 5$
$1 + 4 = 5$
$0 + 5 = 5$

$6 + 0 = 6$
$5 + 1 = 6$
$4 + 2 = 6$
$3 + 3 = 6$
$2 + 4 = 6$
$1 + 5 = 6$
$0 + 6 = 6$

$7 + 0 = 7$
$6 + 1 = 7$
$5 + 2 = 7$
$4 + 3 = 7$
$3 + 4 = 7$
$2 + 5 = 7$
$1 + 6 = 7$
$0 + 7 = 7$

$8 + 0 = 8$
$7 + 1 = 8$
$6 + 2 = 8$
$5 + 3 = 8$
$4 + 4 = 8$
$3 + 5 = 8$
$2 + 6 = 8$
$1 + 7 = 8$
$0 + 8 = 8$

$9 + 0 = 9$
$8 + 1 = 9$
$7 + 2 = 9$
$6 + 3 = 9$
$5 + 4 = 9$
$4 + 5 = 9$
$3 + 6 = 9$
$2 + 7 = 9$
$1 + 8 = 9$
$0 + 9 = 9$

Page no. 54

$1 + 9 = 10$

$0 + 10 = 10$

$2 + 8 = 10$

$3 + 7 = 10$

$4 + 6 = 10$

$5 + 5 = 10$

$6 + 4 = 10$

$7 + 3 = 10$

$8 + 2 = 10$

$9 + 1 = 10$

$10 + 0 = 10$

Page no. 55

4 + 3 7	3 + 5 8
5 + 4 9	3 + 2 5
4 + 4 8	2 + 4 6
6 + 3 9	5 + 2 7

Missing numbers

1

8

5

3

6

6

5

4

7

7

2

2

9

0

4

Page no. 56

$2 + 3 = 5$	$3 + 2 = 5$
$3 + 6 = 9$	$6 + 3 = 9$
$2 + 5 = 7$	$5 + 2 = 7$

Page no. 57

7	5	4
7	5	4
9	6	10
9	6	10
5	8	9
5	8	9

Number Sentence

$3 + 4 = 7$	$2 + 6 = 8$
$4 + 3 = 7$	$6 + 2 = 8$
$4 + 5 = 9$	$3 + 7 = 10$
$5 + 4 = 9$	$7 + 3 = 10$

Page no. 58

Add vertically

9	8	7	6	7
5	9	4	5	6

Add Horizontally

7	9	6
10	8	5

Page no. 59

⑨	⑩	⑪							11
⑧	⑨	⑩	⑪	⑫	⑬				13
⑩	⑪	⑫	⑬	⑭	⑮	⑯			16
⑨	⑩	⑪	⑫						12
⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭		14
⑩	⑪	⑫	⑬	⑭	⑮				15

Page no. 60

Add and fill in the boxes.

14 18

15 19

Make a group of 10 and add.

11 13 15

12 12 13

13 11 15

Page no. 61

17 12 16 14 19

19 11 19 14 18

18 14 15 19 17

15 16 18 12 13

Page no. 62

11 10 13

13 11 17

15 8 19

13 11 18

13 13 13 10 11

19 18 17 16 15

Page no. 63

8 6
1 + 6 = 7 7 + 2 = 9

5

9

15

Page no. 64

Revision Exercise

1. a. 9 b. 17 c. 10 d. 15 e. 8

2. a.

$$\begin{array}{r} \boxed{2} \\ + \boxed{3} \\ \hline \boxed{5} \end{array}$$

b.

$$\begin{array}{r} \boxed{4} \\ + \boxed{4} \\ \hline \boxed{8} \end{array}$$

Page no. 70

1	2	3
0	1	2
	0	1
		0
4	5	
3	4	
2	3	
1	2	
0	1	
	0	
6	7	
5	6	
4	5	
3	4	
2	3	
1	2	
0	1	
	0	

Page no. 71

8	9
7	8
6	7
5	6
4	5
3	4
2	3
1	2
0	1
	0
10	
9	
8	
7	
6	
5	
4	
3	
2	
1	
0	

Page no. 72

⑩	⑨				9
⑰	⑱	⑮			15
⑱	⑮	⑭	⑬	⑫	12
⑬	⑫	⑪	⑩		10
⑱	⑱	⑱	⑮	⑭	14
⑪	⑩	⑨	⑧		8

Page no. 73

13	10	13	12	17
14	13	10	12	11
11	16	14	13	10
13	13	10	15	11

Page no. 74

4	11	8		
4	6	9		
11	12	10		
10	11	5		
5	1	11	4	12
11	11	8	6	17

Page no. 75

$8 + 6 = 14$	$4 + 5 = 9$	$2 + 13 = 15$
$6 + 8 = 14$	$5 + 4 = 9$	$13 + 2 = 15$
$14 - 6 = 8$	$9 - 4 = 5$	$15 - 2 = 13$
$14 - 8 = 6$	$9 - 5 = 4$	$15 - 13 = 2$
$3 + 7 = 10$	$9 + 11 = 20$	$6 + 12 = 18$
$7 + 3 = 10$	$11 + 9 = 20$	$12 + 6 = 18$
$10 - 3 = 7$	$20 - 9 = 11$	$18 - 6 = 12$
$10 - 7 = 3$	$20 - 11 = 9$	$18 - 12 = 6$

Page no. 76

$$6 - 3 = 3$$

$$6 - 2 = 4$$

$$7 - 5 = 2$$

$$6 - 4 = 2$$

5

4

11

Page no. 77

Revision Exercise

1. a. $7 - 2 = 5$

b. $6 - 4 = 2$

2. a. 6

b. 3

c. 10

d. 13

e. 15

3. $\textcircled{12}$ $\textcircled{11}$ $\textcircled{10}$ $\textcircled{9}$ $\textcircled{8}$ $\textcircled{7}$ 7

4. a. 12

b. 8

c. 13

5. $5 + 13 = 18$

$18 - 5 = 13$

$13 + 5 = 18$

$18 - 13 = 5$

6. 5

Page no. 78

Mental Maths

1. subtraction

2. 7

3. same number

4. 5

5. Zero

6. 5

7. $11 - 4$

8. 9

9. 7

10. =

4. ADDITION WITHIN 99

Page no. 79

36

49

59

76

99

Page no. 80

27	39
47	54
67	74
79	88

Page no. 81

29	38	47	56	65
88	97	25	79	41
66	48	54	39	29
97	88	79	68	57

Page no. 82

56	88
89	99
73	65

Page no. 84

47 + 21 = 68	73 + 13 = 86			
24 + 31 = 55	12 + 81 = 93			
64	77	69	56	85
40	70	60	80	90
94	89	82	87	39

Page no. 85

37	97	69	98	99
76	58	95	92	68
94	67	43	95	58

Page no. 86

90
78
77
58
39
57

Page no. 87

Revision Exercise

1. (63) (64) (65) (66) (67) 67
2. a. 85 b. 90
3. a. 58 b. 97
4. a. 37 b. 87 c. 66 d. 79 e. 63
5. 77

5. SUBTRACTION WITHIN 99

Page no. 88

31

53

60

83

92

Page no. 89

22 34

31 43

61 72

82 91

Page no. 90

21 33 46 54 61

74 80 93 83 76

34 42 50 62

Page no. 91

22 42

45 31

42 53

Page no. 93

35 41 62

30 50 40 20 70

34 38 57 29 27

33 42 53 23 54

53 51 21 32 42

42 22 23 43 61

Page no. 94

24

63

25

23

74

Page no. 95

Revision Exercise

1. (45) (44) (43) (42) (41) 41

2. a. 62 b. 71

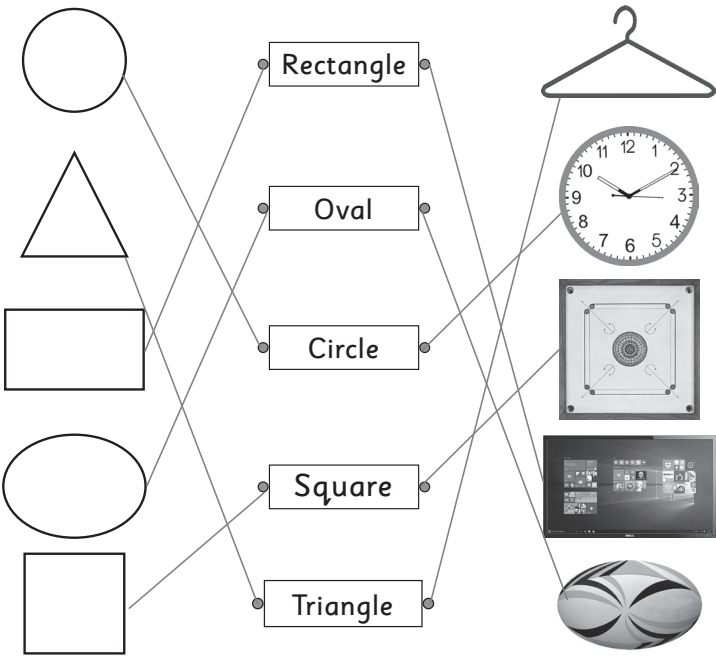
3. a. 25 b. 14

4. a. 34 b. 20 c. 57 d. 23 e. 42

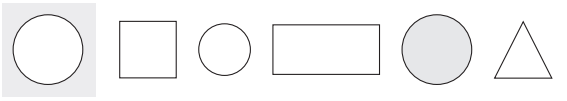
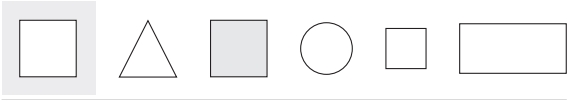
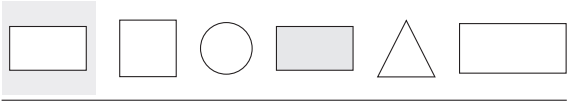
5. 14

6. GEOMETRICAL SHAPES

Page no. 96



Page no. 98

Rectangle	Circle
4 sides	no
4 corners	no
Triangle	Square
3 sides	4 sides
3 corners	4 corners
	
	
	
	

Page no. 99

Cube

Sphere

Cylinder

Cuboid

Cone

Page no. 100

Cube

Cone

Sphere

Cuboid



Page no. 101



Page no. 102

Mental Maths

1. 3 sides

4. 

7. cone

10.  
2. 4 vertices

5. 

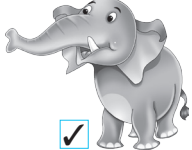
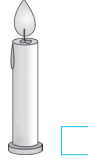
8. curved
3. 

6. Cuboid

9. sphere

7. MEASUREMENT OF LENGTH

Page no. 104

 ☐  ☒	 ☐  ☒
 ☒  ☐	 ☐  ☒
 ☒  ☐	 ☐  ☒
 ☒  ☐	 ☐  ☒

Page no. 105

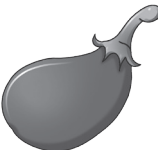
 ☐  ☒	 ☐  ☒
 ☒  ☐	 ☐  ☒

 ☒ N	 ☐ F
 ☒	 ☐
 ☐	 ☒

Page no. 106

 ☐	 ☐	 ☒
 ☒	 ☐	 ☐

 Shortest	 Longest
---	--

 ☒	 ☐	 ☒
--	---	--

 ☒	 ☒	 ☐
--	--	---

Page no. 108

7 5
4 6

Page no. 109

9 6 10
7 5 8 6 4

Green Purple

Maggie's paintbrush is 6 paperclips long.

8. MEASUREMENT OF WEIGHT

Page no. 110



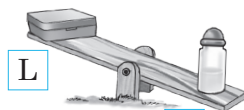
L

H



H

L



L

H

Page no. 111

2 5
4 6

9. MEASUREMENT OF VOLUME (CAPACITY)

Page no. 112



More



Less

4 7
5, 3, More

Page no. 113

6 mugs
9 mugs



10. TIME

Page no. 114

day	night
morning	evening
afternoon	night

Page no. 115

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

Page no. 116



Page no. 117

Just Before
Saturday
Monday
Wednesday
Friday

Just After
Tuesday
Thursday
Saturday
Monday

In Between

Monday

Wednesday

Friday

Yesterday Tomorrow

Monday Wednesday

Wednesday Friday

Friday Sunday

Page no. 118

Revision Exercise

1. a. 4 b. 5

2. a. 2 b. A c. 5 d. 1 e. D

3. a. 6 b. 2

4. 

Page no. 119

5. a. 5 b. B c. 7 d. C

6. a. Sunday b. Thursday

c. 7 d. Yesterday

e. Wednesday and Friday

7. a. morning b. evening

8. 4 2 3 1

11. DATA HANDLING

Page no. 120

5 2 1

4 3 6

Sun

Birds

Page no. 121

APPLE 5 BOOK 4

KITE 4 COMPUTER 8

BALL	4	BAG	3
PENCIL	6	CLOCK	5
BALLOON	7	BAT	3

3

2

2

1

5

Page no. 122

Apple – 8

Banana – 11

Burger – 6

Biscuit – 5

Chocolate – 6

3

1

Page no. 123

Revision Exercise

1. 1 8 2 4 2 12

a. small fish

b. octopus

c. crocodile and tortoise

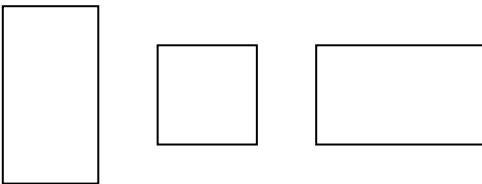
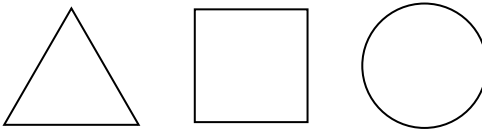
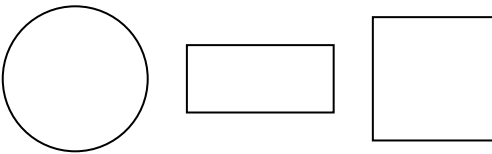
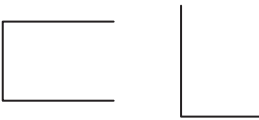
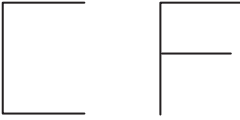
2. a. Dog

b. Parrot

c. 5

12. PATTERNS

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7 9 11 13 15 17 19
14 12 10 8 6 4 2
6 8 10 12 14 16 18 20 20 eyes

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

15 20 25 30 30 fingers

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Revision Exercise

1. a.  
- b.  
- c.  
- d.  
2.  

3. a. 2 4 6 8 10 12 14 16 18 20
- b. 10 20 30 40 50 60 70 80 90 100
- c. 11 22 33 44 55 66 77 88 99
- d. 100 90 80 70 60 50 40 30 20 10

Mental Maths

a.



b.

