MENTAL MATHS COMPETITION

MC®

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GLOBAL MATHS SCIENCE EDUCATION®

in association with **Math Vision PTE Ltd., Singapore**

MOCK TEST

Name : _____

School : _____ Std. : **3**

Mob.No. : (Mother) _____ (Father) _____

Total Marks : 100   **Total No.of questions : 50**

1. Time : 1 hr
2. Students can use HB Pencil for marking answers in OMR sheet.
3. Questions are arranged according to 3 difficulty level to provide pupils with optimum explosure to Mental Maths.
4. [Section 1] In this section, there are 20 questions help to build calculation skills. Each question carries 1 mark.
5. [Section 2] It is related with 20 questions to test fundamental concept covered in topic listed below. Each question carries 2 marks.
6. [Section 3] Here questions are challanging & required high order thinking skills. Each question carries 4 marks. Students are requested to practice extra question given alongwith given two Mock papers in this booklet. Any 10 questions will be asked from given question format in mock paper & extra practice questions.

Topics

◆ Addition & Subtraction (with carry over and borrowing)
◆ Multiplication & Division (Tables from 2 to 15)
◆ Number Names, Expanded form, ascending & descending order.
◆ Doubling and Halving of Numbers.
◆ Roman Numerals (1 to 300)
◆ Measurement conversions, kg, g, l, ml, cm, m (1 kg = 1000 g, 1m = 100 cm, 1ℓ = 1000 mℓ)
◆ Money (₹ to p and p to ₹) ₹ 1 = 100 p
◆ Time Hrs to mins   1Hr = 60 mins
      Mins to seconds   } 1 min = 60 seconds
      1 week = 7 days
      1 year = 365 days
      1 day = 24 hours
◆ Geometry   Angles (acute, obtuse, right, straight)
      Triangles, Square & Rectangles
◆ Concept of Fractions

Mock Paper - 1 SECTION - 1

1.
```
    4  5  3
+   2  6  7
_____
```
(a) 710   (b) 620
(c) 702   (d) 720

2.
```
    6  0  3
−   4  8  9
_____
```
(a) 115   (b) 114
(c) 113   (d) 112

3. $36 - \boxed{} = 19$

(a) 17   (b) 15
(c) 16   (d) 18

4. $\boxed{} + 14 = 33$

(a) 18   (b) 17
(c) 19   (d) 16

5. What comes next

111, 94, 77, 60, $\boxed{}$

(a) 43   (b) 53
(c) 33   (d) 47

6. What is next number

75, 94, 113, 132, $\boxed{}$

(a) 141   (b) 151
(c) 161   (d) 153

7. Find the missing digit.
```
    8  7  □
−   4  8  7
_____
    3  8  3
```
(a) 1   (b) 2
(c) 0   (d) 3

8.
```
    □  3  7
+   4  3  8
_____
    9  7  5
```
(a) 6   (b) 4
(c) 3   (d) 5

9. $15 \times 9 = $ _____
(a) 120   (b) 125
(c) 135   (d) 145

10. $91 \div 13 = $ _____
(a) 7   (b) 6
(c) 8   (d) 5
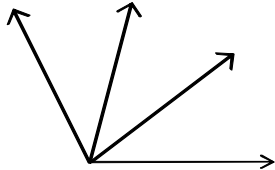
11.
```
    8  7
×      6
_____
_____
```
(a) 532   (b) 522
(c) 502   (d) 512

12. $8 \times \boxed{} = 56$

(a) 7   (b) 6
(c) 8   (d) 9

13. $60 \div \boxed{} = 5$

(a) 10   (b) 11

(c) 9   (d) 12

14. $689 = \boxed{} + 80 + 9$

The missing number in the box is

(a) 60 tens   (b) 60 ones

(c) 60 hundreds   (d) 6 units

15. Form largest 3 digit number by using the below digits only once

3, 6, 0, 1, 9, 5, 4

(a) 954   (b) 975

(c) 965   (d) 109

16. Form smallest 3 digit number by using the below digits only once

0, 3, 8, 7, 4, 1, 9

(a) 102   (b) 987

(c) 013   (d) 103

17. Which of the below is arranged in increasing order.

(a) 249, 131, 389, 414

(b) 323, 333, 343, 358

(c) 627, 617, 607, 597

(d) 419, 319, 409, 121

18. $(15 - 7) \times (19 - 5) =$ _____

(a) 112   (b) 102

(c) 122   (d) 92

19. [Double of 97] – 89 = _____

(a) 104   (b) 105

(c) 103   (d) 101

20. Double of 84 – Half of 102 = _____

(a) 117   (b) 115

(c) 116   (d) 114

SECTION - 2

21. Thirteen tens more than 4 hundred & 4 ones = _____
(a) 570   (b) 534
(c) 524   (d) 544

22. $(66 \div 11) + 32 =$ _____ .
(a) XXVIII   (b) XXXVI
(c) XXXVII   (d) XXXVIII

23. $(14 \times 12) - 79 =$ _____ .
(a) 85   (b) 79
(c) 89   (d) 99

24. LXX $\div$ X + IX
(a) 17   (b) 15
(c) 12   (d) 16

25. 1700 cm = _____ m
(a) 17   (b) 170
(c) 17000   (d) None of these

26. 7 km 378 m = _____ m .
(a) 7873   (b) 7378
(c) 7278   (d) 7478

27. ₹18.45 = _____ paise
(a) 1845   (b) 1855
(c) 1835   (d) 1865

28. 452 p = ₹ _____
(a) 45.2   (b) 4.25
(c) 4.62   (d) 4.52

29. 4 years 4 months = _____ months
(a) 48   (b) 24
(c) 36   (d) 52

30. Minute hand is pointing at 5 and hour hand between 3 and 4.
(a) 3 : 20   (b) 5 : 15
(c) 4 : 05   (d) 3 : 25

31. $8\dfrac{1}{4}$ hrs = _____ mins
(a) 495   (b) 395
(c) 825   (d) 485

32. How many squares are there in
(a) 6   (b) 9
(c) 8   (d) 10

33. How many angles are there in
(a) 4   (b) 6
(c) 8   (d) 5

34. $\dfrac{3}{5} \square \dfrac{2}{3}$, put the correct sign.

(a) >   (b) =

(c) <   (d) None of these

35. Clock shows 2 : 00, what kind of angle is formed.

(a) Right angle

(b) Acute angle

(c) Obtuse angle

(d) None of these

36.

(a) ◯   (b) ●

(c) ▢   (d) △

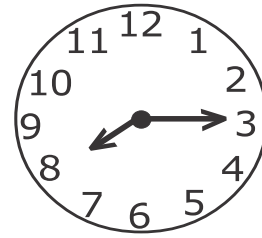**37.** $14\dfrac{1}{4}$ = _____ quarters

(a) 55   (b) 56

(c) 57   (d) 58

38. 89 – 45 = _____ × 11.

(a) 3   (b) 4

(c) 2   (d) 5

39. 8 dozen = _____ units

(a) 108   (b) 86

(c) 76   (d) 96

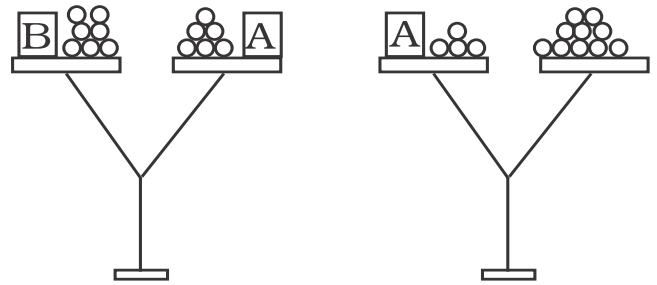**40.**

Time is _____

(a) 9 : 15 hrs   (b) 8 : 45 hrs

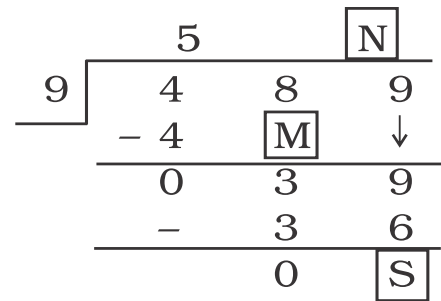(c) 8 : 15 hrs   (d) 3 : 40 hrs

SECTION - 3

41.

Weight of box 'B' is _____ units.

(a) 4   (b) 5

(c) 6   (d) 3

42. Find the value of M × N + S.

(a) 13

(b) 33

(c) 17

(d) 23

$$
\begin{array}{r}
5 \quad \boxed{N} \\
9 \,\overline{\smash{\big)}\, 4 \quad 8 \quad 9} \\
-4 \quad \boxed{M} \quad \downarrow \\
\hline
0 \quad 3 \quad 9 \\
-\quad 3 \quad 6 \\
\hline
0 \quad \boxed{S}
\end{array}
$$

43. 127 + $\boxed{A}$ = 199.

$\boxed{B}$ – 49 = 36

Subtract A from B. The answer is _____

(a) 13   (b) 15   (c) 23   (d) 11

44. The figure is made up of 4 squares. Find the length of each side of 'H'.

(a) 17 cm

(b) 21 cm

(c) 19 cm

(d) 18 cm

11cm

8 cm

H   G   F   E

46 cm
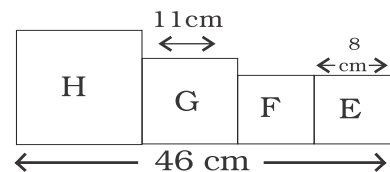
45. Rishi sold 426 books on Friday. He sold 79 less books on Saturday than on Friday. How many books did he sell altogether on both days.

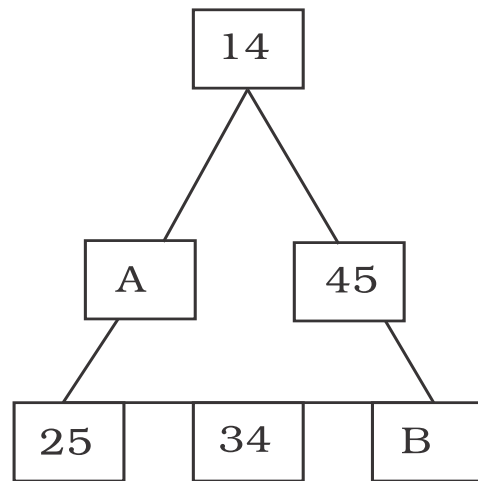(a) 931   (b) 347   (c) 773   (d) 505

46. Ramesh attended a 'Maths show' with started at 7 : 45 pm and ended at 12 : 05 am. How long did the show last?

(a) 4 hrs 20 mins   (b) 4 hrs 15 mins
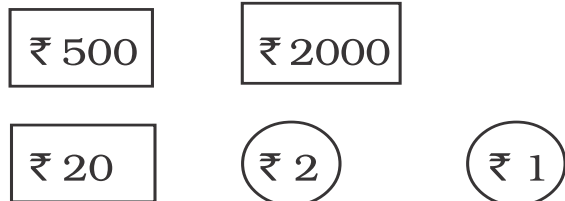
(c) 4 hrs 25 mins   (d) 4 hrs 5 mins

47. The number on each side of the triangle add upto 131 what is A + B ?

(a) 174

(b) 154

(c) 164

(d) None of these

48. Soham got the amount shown as his birthday gift. Which of the following options is not correct with respect to the amount shown here ?

₹ 500   ₹ 2000

₹ 20   ₹ 2   ₹ 1

(a) Two thousand five hundred twenty three

(b) 2000 + 500 + 20 + 3

(c) 2600 − 77

(d) 2500 + 30 − 9

49. Meena had a ribbon. She cut it into 14 equal pieces, each of length 11 cm. What was the original length of the ribbon ?

(a) 144   (b) 154   (c) 164   (d) 168

50. Suresh is standing in a queue. He is 33rd from the front and 69th from back. How many people are standing in the queue ?

(a) 101   (b) 102   (c) 100   (d) 99

Mock Paper - 2 SECTION - 1

1.
```
    3  4  8
+   4  7  9
_____
```
(a) 827   (b) 727
(c) 837   (d) 872

2.
```
    9  1  3
−   4  9  8
_____
```
(a) 405   (b) 315
(c) 415   (d) 425

3. $53 - \boxed{} = 29$

(a) 14   (b) 24
(c) 34   (d) 26

4. $\boxed{} + 27 = 49$

(a) 24   (b) 12
(c) 32   (d) 22

5. What comes next

127, 98, 69, 40, $\boxed{}$

(a) 13   (b) 11
(c) 9   (d) 10

6. What is next number

89, 126, 163, 200, $\boxed{}$

(a) 273   (b) 239
(c) 237   (d) 235

7. Find the missing digit.
```
   □  6  4
−  3  8  7
_____
   0  7  7
```
(a) 4   (b) 5
(c) 3   (d) 2

8.
```
    4  9  3
+  3 □  7
_____
    8  6  0
```
(a) 4   (b) 7
(c) 6   (d) 5

9. $12 \times 7 = \underline{}$

(a) 84   (b) 108
(c) 96   (d) 86

10. $75 \div 5 = \underline{}$

(a) 13   (b) 12
(c) 14   (d) 15

11.
```
    6  8
×      7
_____
_____
```
(a) 376   (b) 476
(c) 276   (d) 478

12. $9 \times \boxed{} = 72$

(a) 8   (b) 9
(c) 7   (d) 6

13. $64 \div \boxed{} = 8$

(a) 6   (b) 7

(c) 8   (d) 5

14. $574 = 500 + \boxed{} + 4$

The missing number in the box is

(a) 700   (b) 7 units

(c) 700 tens   (d) 70 ones

15. Form largest 3 digit number by using the below digits only once.

4, 6, 0, 3, 9, 1, 2

(a) 963   (b) 954

(c) 964   (d) 974

16. Form smallest 3 digit number by using the below digits only once.

9, 6, 1, 5, 4, 2, 3

(a) 123   (b) 132

(c) 103   (d) 124

17. Which of the below is arranged in decreasing order.

(a) 384, 314, 391, 421

(b) 386, 397, 481, 500

(c) 601, 384, 208, 414

(d) 424, 414, 391, 319

18. $(18 - 9) \times (24 - 9) =$ _____

(a) 125   (b) 135

(c) 140   (d) 145
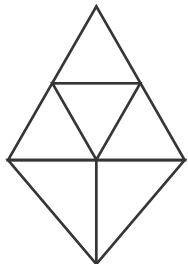
19. [Double of 108] – 117 = _____
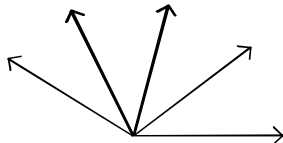
(a) 99   (b) 89

(c) 109   (d) 98

20. Double of 118 – Half of 120 = _____
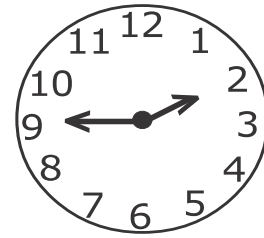
(a) 186   (b) 166

(c) 176   (d) 156

SECTION - 2

21. Twenty five tens more than five hundred & forty ones

= _____

(a) 790   (b) 890

(c) 780   (d) 719

22. $(98 \div 14) + 57 =$ _____ .

a) XLVI   (b) LXIV

(c) XLIV   (d) LXVI

23. $(13 \times 7) - 39 =$ _____ .

a) 53   (b) 42

(c) 62   (d) 52

24. XC ÷ XV × VIII

(a) LXVIII   (b) XLIX

(c) XLVIII   (d) XLVII

25. 1925 ml = _____ l

(a) 1.925   (b) 19.25

(c) 192.5   (d) 1925

26. 6 kg 59 g = _____ g.

(a) 659 g   (b) 6059g

(c) 6590 g   (d) 6509 g

27. 6449 p = ₹ _____

(a) 6449   (b) 6.449

(c) 64.49   (d) 644.9

28. ₹ 89.09 = _____ paise

(a) 899   (b) 8990

(c) 8099   (d) 8909

29. 8 years 9 months = _____ months

(a) 104   (b) 96

(c) 105   (d) 106

30. Minute hand is pointing at 8 and hour hand between 5 and 6.

(a) 6 : 08   (b) 5 : 40

(c) 6 : 40   (d) 5 : 08

31. $11\dfrac{3}{4}$ hrs = _____ mins

(a) 705   (b) 505

(c) 605   (d) 1175

32. How many triangles are there in

(a) 6

(b) 9

(c) 8

(d) 7

33. How many angles are there in ?

(a) 10   (b) 7

(c) 9   (d) 8

34. $\dfrac{4}{7} \square \dfrac{5}{11}$, put the correct sign.
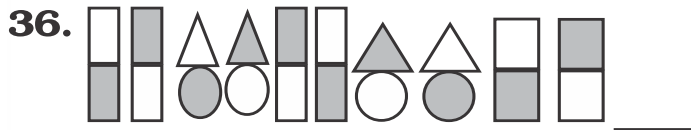
(a) <   (b) >

(c) =   (d) None of these

35. Clock shows 9 : 30, what kind of angle is formed.

(a) Right angle

(b) Acute angle

(c) Straight angle

(d) Obtuse angle

36.

(a)

(b)

(c)

(d)

37. $12\dfrac{1}{2}$ = _____ Quarters

(a) 51   (b) 48

(c) 52   (d) 50

38. 156 ÷ 13 = _____ × 6.

(a) 2   (b) 3

(c) 4   (d) 1

39. 11 dozens = _____ units

(a) 122   (b) 142

(c) 121   (d) 132

40.

Time is _____

(a) 2 : 45 hrs   (b) 1 : 45 hrs

(c) 2 : 09 hrs   (d) 9 : 10 hrs

SECTION - 3

41. There are 247 potatoes in each sack. How many potatoes are there in 8 such sacks ?

(a) 1796   (b) 1976   (c) 1876   (d) 1697

42. The number on each side of a rectangle add upto 97, find.

B + A – C = _____

(a) 26   (b) 81

(c) 37   (d) 27

```
 13 ——— 27 ——— 57
 A                 B
 39 ——— C  ——— 4
```
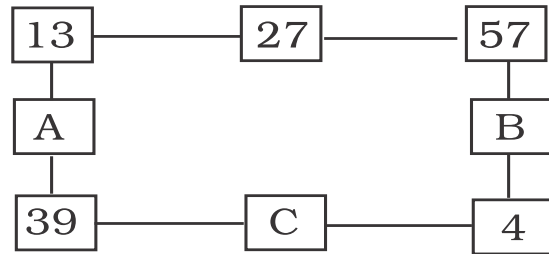
43. 9 kg 750 g rice is equally distributed among 5 people. Find the share of each one.
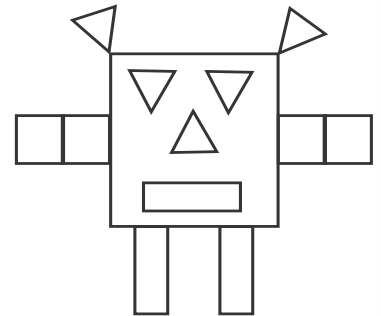
(a) 1 kg 950 g   (b) 1 kg 095 g   (c) 195 kg   (d) 1 kg 850 g

44. The given figure is made up of _____ triangles _____ squares and _____ rectangles.

(a) 6, 5, 4

(b) 5, 1, 5

(c) 5, 5, 5

(d) 5, 4, 4

45. Misha saves ₹659 in January, ₹327 in February and ₹598 in March. How much she saved in these three months.

(a) 1584   (b) 1585   (c) 1586   (d) 1574

46. Sanju collects sticks from the jungle. He sells them in the market. He uses 14 sticks to make 1 bundle. How many sticks will **six** bundles have ?

(a) 20   (b) 60   (c) 42   (d) 84

47. $\bigcirc + \triangle + \triangle + \triangle = 81$, $\bigcirc + \bigcirc + \bigcirc + \square = 102$

If $\triangle = 24$, then find $\square$

(a) 9   (b) 70   (c) 85   (d) 75

48. Rohit had 89 baseball cards, He sold 46 at a card show. Which of the given statement is true?

(a) He sold more than half of his cards   (b) He sold less than half of his cards

(c) He sold exactly half of his cards   (d) He sold one-fourth of his cards.

49. Study the clock face. Ansh spends 55 minutes painting his bed room wall and then 2 hours 30 minutes watching T.V, which of the below clock shows the time taken to finish his both activities?

(a)

(b)

(c)

(d)
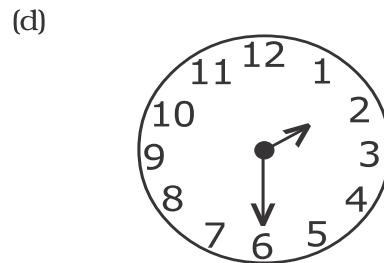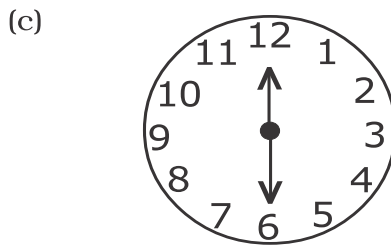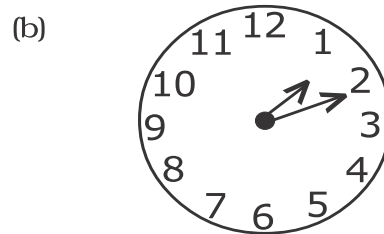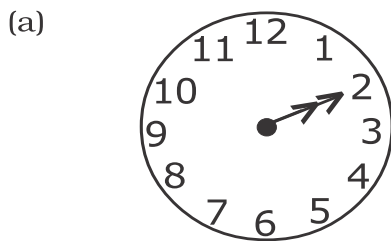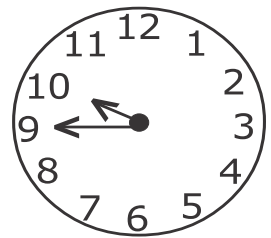
50. 483 g + ? = 800 g – 104 g.

The missing mass is ____ g.

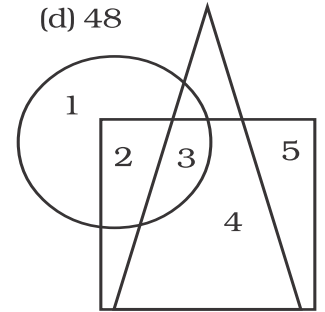(a) 213   (b) 223   (c) 686   (d) 696

Extra question for Practice (Section III)

1. Deepa has 144 sweets. She has 3 times as many sweets as Chetna. How many sweets must Deepa give to Chetna so that both of them will have an equal number of sweets ?

(a) 96   (b) 24   (c) 12   (d) 48

2. From the given figure, which number is in the square and in the circle but not in the triangle ?

(a) 2   (b) 3

(c) 4   (d) 5

3. Tina fills bowls with floating candels. The given table shows the relationship between the number of bowls she uses and the number of candels in bowls. Use the pattern in the table, how many candels does Tina put in 9 bowls ?
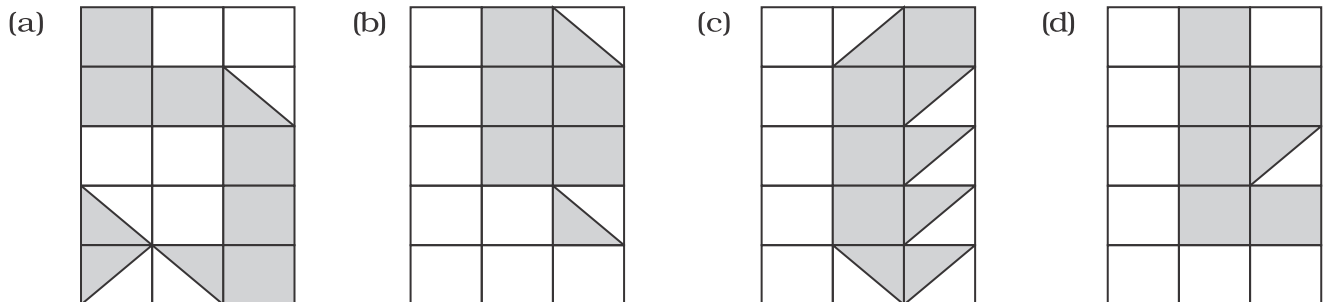
(a) 50   (b) 54

(c) 60   (d) 63

Floating Candels	
Number of bowls.	Number of Candels.
4	24
6	36
8	48
9	?

4. My Mom said, I could have all of the 50 paise coins and ₹1 coins in her wallet. It totals ₹15 . How many 50 paise and ₹1 coins do I have ?

(a) 10, 10   (b) 5, 15   (c) 12, 6   (d) 15, 3

5. Which one of the shapes given below has the largest portion shaded ?

(a)   (b)   (c)   (d)

6. Raj has 36 minutes to make roti's. One roti takes 3 minutes. How many roti's can he make in this time ?

(a) 39   (b) 108   (c) 33   (d) 12

7. A shopkeeper has 38 metres of red cloth. He sold some of the cloth and found 36 m 60 cm of cloth left. How much cloth did he sell ?

(a) 2 m 80 cm   (b) 380 cm   (c) 1 m 40 cm   (d) 860 cm

8. Rinky travelled from Town D to Town B and Pinky travelled from Town C to Town A. Who Travelled a longer distance and how much more than the other ?

Town D

68 km

126 km   145 km

Town A   Town B   Town C
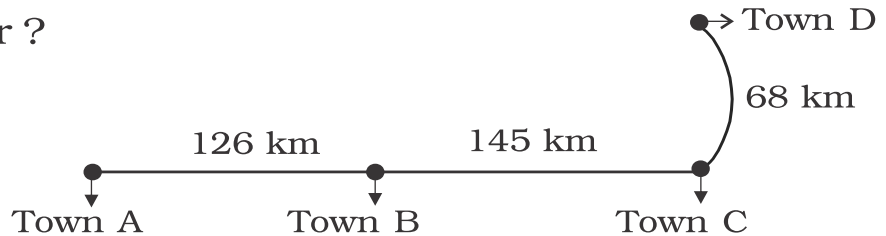
(a) Rinky, 271 km   (b) Pinky, 271 km   (c) Rinky, 13 km   (d) Pinky, 58 km

9. Chirag knows that 2 dogs are given 8 cups of food and 3 dogs are given 12 cups of food. How much food will be given to 5 dogs ?

(a) 15   (b) 16   (c) 20   (d) 25

10. There are 30 legs in my backyard, but I am counting dogs and kids. How many kids and dogs are in my backyard?

(a) 7 dogs, 1 kid   (b) 6 dogs, 2 kids   (c) 5 dogs, 3 kids   (d) 4 dogs, 4 kids

11. The table below shows the postage rates for sending parcels to Australia. Find the postage for a parcel to be sent to Australia, which has a weight of 500 g ?

Weight	Rates
till 25g	₹ 0.50
till 50g	₹ 0.80
till 75g	₹ 1
till 100 g	₹ 1.20
Per additional 100 g	₹ 1

(a) ₹ 5   (b) ₹ 4

(c) ₹ 2.50   (d) ₹ 5.20

12. The length of the rope is 511 m. If its cut into 7 equal pieces, find the length of each rope ?

(a) 49 m   (b) 37 m   (c) 83 m   (d) 73 m

13. Ramesh deposited ₹3525. Suresh deposited ₹175 more than Ramesh. Find total amount deposited in the bank.

(a) ₹ 3700   (b) ₹ 7225   (c) ₹ 7235   (d) ₹ 8225

14. Where will be the minute hand and hour hand if its 4 o' clock.

(a) Minute hand on IV & hour hand on XII   (b) Minute hand on XII & hour hand on IV

(c) Minute hand on VI & hour hand on XII   (d) Minute hand on XII & hour hand on VI

15. By using the digits 4, 0, 2, 9 only once, find the difference between greatest and smallest three digit number formed by those digits.

(a) 7371   (b) 748   (c) 738   (d) 758

16. If ☺ represents 5 balloons, then number of symbols to be drawn to represent 60 balloons is _____.

(a) 5   (b) 60   (c) 10   (d) 12

17. In a flower garden, $\dfrac{4}{9}$ are white roses, $\dfrac{2}{9}$ are red roses and the rest are yellow roses. What fraction of the roses are yellow ?

(a) $\dfrac{3}{9}$ (b) $\dfrac{2}{9}$ (c) $\dfrac{4}{9}$ (d) $\dfrac{5}{9}$

18. Study the diagram and find the missing term.

(a) 5   (b) 12

(c) 9   (d) 13

(circle diagram: 35, 60, 3, 0, 0, 15, ?, 7)

19. Study the number Machine, If number 14 is put into the Machine, what number will come out ?

(a) 56   (b) 47

(c) 57   (d) 58

IN
Multiply 5
Add 26 → Subtract 39
OUT

20. If 'A' is standing on the XXIX step and 'B' is standing on the XVII step. How many steps are there in between 'A' and 'B'

(a) XIX   (b) XI   (c) XV   (d) XVII

21. The entry fees for a circus was ₹140 for an adult and ₹ 70 for a child. Mr. Dev paid ₹700 and got back ₹140. If they were five people, what could be the combination ?

(a) 4 adult, 1 child   (b) 3 adult, 2 child   (c) 5 adult, 0 child   (d) 0 adult, 5 child

22. A boy has collected 120 coins of 50 paise. He wants to exchange these coins for ₹5 coins. How many ₹5 coins would he get ?

(a) 12   (b) 10   (c) 14   (d) 8

23. Hockey tournament began on 26th March 2017 and ended on 19th April, 2017. Including both the days, for how many days did the tournament last for ?

(a) 25 days   (b) 23 days   (c) 27 days   (d) 24 days

24. A rat fell in a well. In the first hour the rat climbed up 28 metres but slid down 8 metres. In the second hour the rat climbed 23 metres but slid by 9 metres. In the third hour the rat climbed up 19 metres without sliding. How deep was the well ?

(a) 55 metres   (b) 63 metres   (c) 43 metres   (d) 53 metres

25. When 445 is divided by 12, the quotient and the remainder are which of the following ?

(a) Q = 38, R = 1   (b) Q = 37, R = 1   (c) Q = 37, R = 2   (d) Q = 38, R = 2

26. A train travelled a distance of 165 km from station 'P' to 'Q' and 224 from 'Q' to 'R'. If the distance from 'P' to 'S' is 550 km, how much is the distance from 'R' to 'S'?

(a) 163 km   (b) 171 km   (c) 161 km   (d) 151 km

27. A show ends at 2 : 15 p.m. If the time is 10 : 35 am. How much time is left for the show to end ?

(a) 2 hrs 15 mins   (b) 3 hrs 45 mins   (c) 4 hrs 20 mins   (d) 3 hrs 40 mins

28.   I have 5 notes. The total value of my money is ₹40. Here are 2 notes, which can be my three missing notes ?

(a)

(b)

(c)

(d)

29.   [9 hundreds and 1 tens] – [2 hundreds and 50 ones] = [6 hundreds 'X' units]. Then value of 'X' is _____ ?
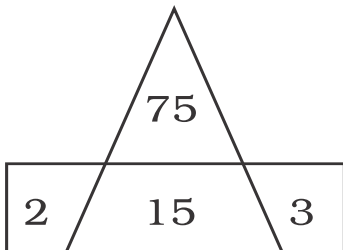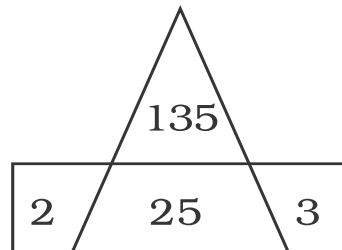
(a) 6   (b) 660   (c) 60   (d) 60 tens
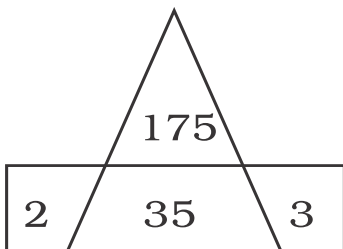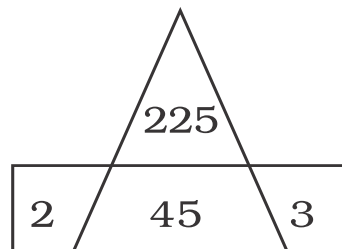
30.   Find the odd one out ?

(a)

  75
  2 / 15 \ 3

(b)

  135
  2 / 25 \ 3

(c)

  175
  2 / 35 \ 3

(d)

  225
  2 / 45 \ 3

Answer Sheet

Mock paper – 1

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

Mock paper – 2

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

Extra Practice Question Paper
(Section – 3)

1	d	2	a	3	b	4	a	5	a	6	d	7	c	8	d	9	c	10	a
11	d	12	d	13	b	14	b	15	c	16	d	17	a	18	b	19	c	20	b
21	b	22	a	23	a	24	d	25	b	26	c	27	d	28	a	29	c	30	b

SECTION 3 (Solutions)

Mock Paper - 1

41)

(i)   (ii)
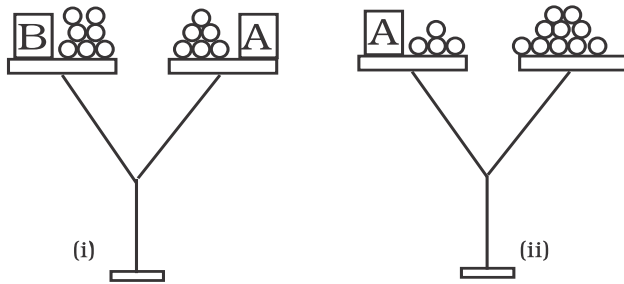
From fig (ii),
A + 4 units = 10 units
∴ A = 10 – 4 = 6 units
Also, from figure (i)
B + 7 = 6 + A
∴ B + 7 = 6 + 6 (put value of A)
∴ B + 7 = 12
∴ B = 12 – 7
∴ B = 5 units

42) M × N + S
= 5 × 4 + 3
= 20 + 3
= 23

$$\begin{array}{r} 5\;\;\boxed{4} \\ 9\overline{)\,4\;\;8\;\;9} \\ 4\quad\boxed{5}\quad\downarrow \\ \hline 0\quad3\quad9 \\ -\quad3\quad6 \\ \hline 0\quad\boxed{3} \end{array}$$
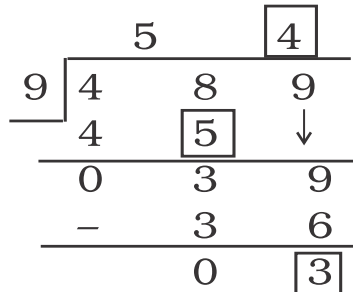
43) 127 + $\boxed{A}$ = 199
∴ A = 199 – 127 = 72
$\boxed{B}$ – 49 = 36
∴ B = 36 + 49 = 85
Now, subtract A from B = B – A
= 85 – 72 = 13

44)
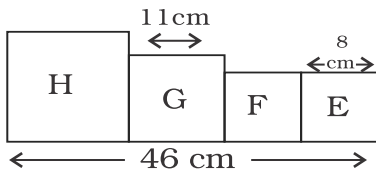
Squares all sides are equal
∴ whole one side of squares E, F, G, H is 46 cm
Sum of one side of squares E, F, G is ,
8 + 8 + 11 = 27 cm
Now, side of square H
= 46 – 27 = 19 cm

45) Books sold on Friday = 426
Books sold on Saturday = 426 – 79
= 347
Total books sold on both days = 426 + 347
= 773

46) Count the number of hours from 7 : 45 pm to
12 : 05 am
So, 07 : 45 – 08 : 45 ⎤
08 : 45 – 09 : 45 ⎥
09 : 45 – 10 : 45 ⎥ 4 Hrs
10 : 45 – 11 : 45 ⎦
11 : 45 – 12 : 05 ⎤ 20 mins
its 4 hrs 20 mins

47) Each side of triangle add up to 131 so,
A = 131 – (14 + 25) = 131 – 39 = 92
B = 131 – (25 + 34) = 131 – 59 = 72
∴ A + B = 92 + 72 = 164

48) Total amount = ₹2523 and the correct answer
is option (d), as the amount does't come to 2523

49) She cut into 14 equal pieces
Each piece length = 11 cm
∴ original length = 14 × 11
= 154 cm

50) Suresh is 33rd from front and 69th from back.
∴ Number of people in a queue = (33 + 69) –1
= 101

Mock Paper - 2

41) Potatoes in each sack = 247
Potatoes in 8 sacks = 247 × 8
= 1976

42) Each side of Rectangle add upto 97
∴ A = 97 – (13 + 39) = 45
B = 97 – (57 + 4) = 36
C = 97 – (39 + 4) = 54
∴ B + A – C
= 36 + 45 – 54
= 27

43) Total weight of rice = 9 kg 750 g
Number of people = 5
∴ Each share = 9750 g ÷ 5
= 1950 g
= 1 kg 950 g

44) 5 triangles, 5 squares and 5 rectangles.

45) Savings in January =   659
Savings in February = + 327
Savings in March   = + 598
Total savings   = 1584

46) One bundle = 14 sticks
∴ 6 bundles = 14 × 6
= 84

47)   △ = 24
  ◯ + △ + △ + △ = 81
  ◯ + 24 + 24 + 24 = 81
  ◯ + 72 = 81
  ◯ = 81 – 72 = 9
  Now, ◯ + ◯ + ◯ + ☐ = 102
  9 + 9 + 9 + ☐ = 102
  ∴ 27 + ☐ = 102
  ∴ ☐ = 102 – 27 = 75
  ∴ ☐ = 75

48)   Option (a) is correct
  He sold more than half of his cards.

49)   Total time Ansh spend on painting and watching T.V
  =   2 hrs 30 mins
  +   55 mins
  ─────────────────────
         2 hrs 85 mins
  so, its 3 hrs 25 mins
       (1 hr = 60 mins)
  He started at 9:45
       09 : 45 – 10 : 45 ⎤
       10 : 45 – 11 : 45 ⎟ 3 hrs
       11 : 45 – 12 : 45 ⎦
       12 : 45 – 01 : 10 ⎤ 25 mins
       so, he will finish at 1 : 10

50)   483g + ? = 800g – 104g
  483g + ? = 696g
    ∴ ? = 696g – 483g
        = 213g

Extra Practice Questions

1)   Total sweets Deepa has = 144
  Total sweets Chetna has = $\frac{144}{3}$ = 48

  Difference between sweets with Deepa and Chetna = 144 – 48 = 96
       Now, 96 ÷ 2 = 48
  ∴ Deepa needs to give 48 sweets to Chetna to make equal sweets with both of them.

2)   Number '2' is in the square and in the circle but not in the triangle.

3)   Its a pattern, multiply by 6
  4 × 6 = 24
  6 × 6 = 36
  8 × 6 = 48
  9 × 6 = 54
  correct answer is 54

4)   50 paise × 10 = 500 paise
       (₹1 = 100 p) = ₹ 5
          ₹1 × 10 = ₹10
             Total = ₹15
  ∴ Ten 50 p coins & Ten ₹1 coins

5)   option (a) is correct, it has 16 parts shaded.

6)   Total minutes to make rotis = 36
  Time taken to make 1 roti = 3 mins
  ∴ Number of rotis made in 36 mins
          = 36 ÷ 3 = 12

7)   Total length of cloth = 38 m
  length of cloth left = 36 m 60 cm
 length of cloth sold = 38 m – 36 m 60 cm

	m	cm
	7	10
	3̶8̶	0̶0̶
–	36	60
	01	40

  Answer = 1 m 40 cm

8)   Rinky   Town D to Town B
          = 68 km + 145 km = 213 km

  Pinky ⟶   Town C to Town A
          = 145 km + 126 km = 271 km
  Pinky travelled longer distance by (271 – 213)
          = 58 km

9)   2 dogs given 8 cups of food (2 × 4 = 8)
  3 dogs given 12 cups of food (3 × 4 = 12)
  5 dogs will be given 20 cups of food (5 × 4 = 20)

10)   7 dogs = 7 × 4 = 28 legs
 1 kid = 1 × 2   = 2 legs
  Total   = 30 legs

11)   Total weight of parcel = 500g
  Till 100g its ₹1.20
  Per additional 100g = ₹1

         500g
       /   \
  100g   400g
  (₹1.20)   (4 × 1 = 4)
  ∴ Total amt = 4 + 1.20
          = ₹ 5.20
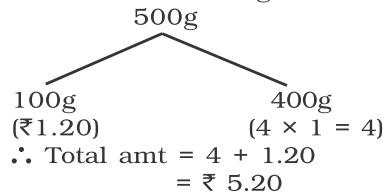
12)   Total length of rope = 511 m
  Number of equal pieces = 7
     Length of each piece = 511 ÷ 7
             = 73 m

13)   Amount Ramesh deposited = ₹ 3525
   Amount Suresh deposited = 3525 + 175
             = 3700
  ∴ Total amount deposited by both
             = 3700 + 3525 = 7225

14)   Minute hand on
  XII and hour hand
  on IV
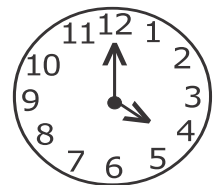
15)   Greatest 3 digit number = 942
  Smallest 3 digit number = 204
  Their difference = 738

16) ☺ means 5 ballons
∴ Number of symbols for 60 ballons
= 60 ÷ 5 = 12

17) Total number of parts means the denominator (9)

white roses = $\frac{4}{9}$

Red roses = $\frac{2}{9}$

so, total of white and red roses = $\frac{4}{9} + \frac{2}{9} + \frac{6}{9}$

means, out of 9 parts, 6 parts are white and red roses, so yellow roses = 9 – 6 = 3

$= \frac{3}{9}$ part.

18) its a pattern ....
3 × 5 = 15
0 × 5 = 0
7 × 5 = 35
12 × 5 = 60
answer is 12

19) Number 14 is put in machine.
multiply by 5 = 14 × 5 = 70
Now, add 26 = 70 + 26 = 96
Now, subtract 39 = 96 – 39 = 57
Number 57 will come out of machine.

20) 'A' is standing on XXIX step = 29th step
'B' is standing on XVII step = 17th step
Number of steps between them = (29 – 17) – 1
= 12 – 1 = 11 steps (XI)

21) Entry fees for an adult = ₹140
Entry fees for a child = ₹70
Mr. Dev paid ₹700 and got back ₹140,
Means total cost of tickets is ₹560 (700 – 140)
3 adults = 3 × 140 = 420
2 child = 2 × 70 = 140
Total cost = 560
∴ combination of 5 people is 3 adult and 2 child

22) Total money boy has
= 120 coins × 50 paise
= 6000 paise
= ₹60 (₹1 = 100 p)

∴ Number of ₹5 coins = $\frac{60}{5}$ = 12

23) Hockey tournament started on 26th March 2017, and ended on 19th April, 2017
Now, count days from 26th March to 19th April
= 25 days

24) First hour = 28 – 8 = 20
second hour = 20 + 23 – 9
= 43 – 9 = 34
Third hour = 34 + 19
= 53 meters

25) Quotient = 37
Remainder = 1

```
        37
   12 ) 445
      - 36
       085
      - 84
        01
```

26)

500 km
Distance from P to R = 165 + 224 = 389
∴ Distance from R to S = PS – PR
= 550 – 389 = 161 km

27) Actual current time = 10 : 35 am
show ends at 2 : 15 pm
∴ count time from 10:35 am to 2:15 pm
10 : 35 – 11 : 35 ⎤
11 : 35 – 12 : 35 ⎬ 3 hours
12 : 35 – 01 : 35 ⎦
01 : 35 – 02 : 15 ⎤ 40 mins
∴ answer is 3 hrs 40 mins

28) Total notes with me = 5
Total value of money = ₹40
Given two notes are two ₹5 notes, with both value taken together is ₹10.
so, i need 3 more notes whose value should be ₹ 30
correct answer is option (a)

29) 910 – 250 = 600 + x
∴ 910 – 250 = 660
∴ 910 – 250 = 600 + 60
∴ value of x = 60

30) Its a pattern
a) 2 + 3 = 5
∴ 15 × 5 = 75
b) 2 + 3 = 5
∴ 25 × 5 = 125
c) 2 + 3 = 5
∴ 35 × 5 = 175
d) 2 + 3 = 5
∴ 45 × 5 = 225
option (b) is the odd one out.

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Name   Father's Name   Surname

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ANSWERS

Section - I	Section - II	Section - III
1. Ⓐ Ⓑ Ⓒ Ⓓ	21. Ⓐ Ⓑ Ⓒ Ⓓ	41. Ⓐ Ⓑ Ⓒ Ⓓ
2. Ⓐ Ⓑ Ⓒ Ⓓ	22. Ⓐ Ⓑ Ⓒ Ⓓ	42. Ⓐ Ⓑ Ⓒ Ⓓ
3. Ⓐ Ⓑ Ⓒ Ⓓ	23. Ⓐ Ⓑ Ⓒ Ⓓ	43. Ⓐ Ⓑ Ⓒ Ⓓ
4. Ⓐ Ⓑ Ⓒ Ⓓ	24. Ⓐ Ⓑ Ⓒ Ⓓ	44. Ⓐ Ⓑ Ⓒ Ⓓ
5. Ⓐ Ⓑ Ⓒ Ⓓ	25. Ⓐ Ⓑ Ⓒ Ⓓ	45. Ⓐ Ⓑ Ⓒ Ⓓ
6. Ⓐ Ⓑ Ⓒ Ⓓ	26. Ⓐ Ⓑ Ⓒ Ⓓ	46. Ⓐ Ⓑ Ⓒ Ⓓ
7. Ⓐ Ⓑ Ⓒ Ⓓ	27. Ⓐ Ⓑ Ⓒ Ⓓ	47. Ⓐ Ⓑ Ⓒ Ⓓ
8. Ⓐ Ⓑ Ⓒ Ⓓ	28. Ⓐ Ⓑ Ⓒ Ⓓ	48. Ⓐ Ⓑ Ⓒ Ⓓ
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1		x 1	
2		x 2	
3		x 4	
Total			

Remark :

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_____

| Name | Father's Name | Surname |

School Name _____

Std._____ Mobile No. _____

Examination Centre _____ Date : _____

ANSWERS

Section - I

1. Ⓐ Ⓑ Ⓒ Ⓓ
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Section - III

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