

MATHS OLYMPIAD

PRACTICE BOOK



GRADE
2

The Math Olympiad series is an initiative of International Society for Olympiad (ISFO)
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Preface

Our education system effectively provides an introduction to the concepts of Math and Science and helps us understand the underlying concepts. But in its overly generalized approach, which aims to enlighten and test all students of varying caliber and interests, it leaves the exploration of application of all these concepts completely on the students.

This workbook is designed to enable students to explore Maths effectively. Designed in accordance with the requirements of the Maths Olympiads, the workbook is an efficient tool to achieve comprehensive success at the **ISFO – Maths Olympiad**.

The main aim of this workbook is to assist students in developing and improving their ability to solve problems.

Each chapter of the book consists of 3 sets of questions.

- **Section A** (Mathematical Reasoning) : This section is created to test the knowledge of mathematical concepts and topic pertaining to the respective grades.
- **Section B** (Everyday Maths) : This section deals with the application.
- **Section C** (BrainBox) : Questions to prepare students with HOTS (Higher Order Thinking Skills) based on the syllabus provided.

Logical Reasoning section is provided to equip students with verbal and non-verbal analysis and reasoning skills.

Sample Test Papers and Answer keys have been provided to accelerate the learning process.





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Numbers to 1000

SECTION - A : MATHEMATICAL REASONING

1. The place value of digit 7 in 738 is
 - a. 7
 - b. 700
 - c. 70
 - d. 77
2. 80 tens is _____ hundreds.
 - a. greater than
 - b. equal to
 - c. less than
 - d. can't say
3. Which of the following set of numbers is the correct order from the greatest to the smallest?

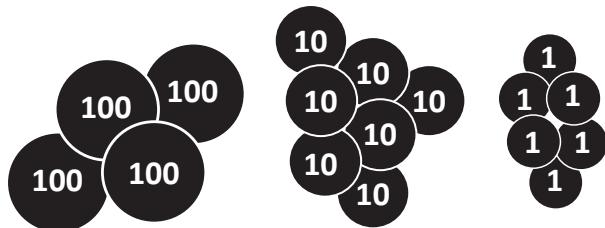


- a. 125, 512, 251, 215
 - b. 512, 251, 215, 125
 - c. 125, 251, 512, 215
 - d. 251, 512, 125, 215
4. How many 10-rupee notes can one exchange for a 2000-rupee note?



- a. 10
 - b. 100
 - c. 50
 - d. 200
5. Rohan baked 387 vanilla cookies. Riya baked the same number of vanilla cookies and 184 chocolate cookies. How many cookies did they bake altogether?
 - a. 958
 - b. 571
 - c. 679
 - d. 578

6. What is the total value of the given counters?



- a. 530 b. 490 c. 476 d. 486

7. Which of the following set of numbers is the correct order from the smallest to the greatest?

490 431 483 409

- a. 483, 409, 431, 490
b. 431, 483, 409, 490
c. 409, 483, 431, 490
d. 409, 431, 483, 490

8. Which of the following numbers complete the given number pattern?

275, 300, 325, 350, _____

- a. 350 b. 375 c. 425 d. 400

9. What is the second largest number in the given group?

485, 500, 927, 836, 109

- a. 109 b. 927 c. 485 d. 836

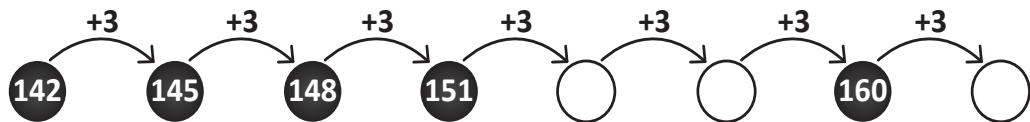
10. Which of the following is incorrect?

- a. Five hundred and three—503
b. Two hundred and sixteen—216
c. Three hundred and fifty nine—395
d. Four hundred and fifty—450

11. 23 tens 12 ones is the same as

- a. 13 tens 48 ones
b. 27 tens 6 ones
c. 1 hundreds 50 tens 20 ones
d. 2 hundred 42 ones

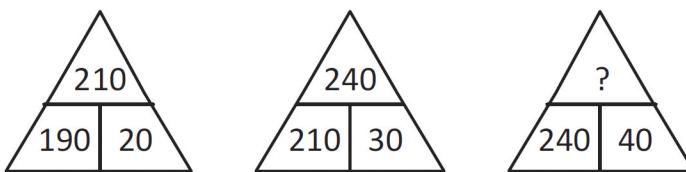
12. Study the pattern given below.



Which of the following set of numbers (in order) will complete the pattern?

- a. 148, 156, 159
- b. 46, 47, 49
- c. 154, 157, 163
- d. 155, 159, 162

13. Look at the number pattern given below. What is the missing number?



- a. 250
- b. 260
- c. 270
- d. 280

14. There are two different 2-digit numbers with 5 in their ones place.

_____ ? 5 _____

In both the numbers, the difference between the digit in the ones place and the digit in the tens place is 2. The two numbers are _____ and _____.

Their sum is _____.

- a. 85, 25; 110
- b. 35, 65; 100
- c. 35, 75; 110
- d. 45, 75; 120

15. Which of the following set of numbers is arranged in increasing order?

- a. 438, 452, 467, 490
- b. 498, 473, 452, 416
- c. 490, 480, 450, 440
- d. 476, 469, 456, 449

SECTION - B : EVERYDAY MATHS

16. Reena had 82 stamps. Tina had 484 stamps. How many stamps did they have altogether?
- a. 536 b. 546
c. 556 d. 566
17. There are 387 marbles of red, blue and white colours. If 115 marbles are red, 97 marbles are blue, then the number of white marbles is
- a. 175 b. 187
c. 237 d. 115
18. There are 289 black and brown sheep on a farm. There are 146 black sheep. How many brown sheep are there?
- a. 140 b. 141
c. 142 d. 143
19. Kavya has a set of number cards—3, 6, 8. Which is the greatest possible number that can be formed by using each card only once?
- a. 638 b. 683
c. 863 d. 836
20. How many tens are there altogether in the greatest 2-digit number and the smallest 3-digit number?
- a. 16 b. 17
c. 18 d. 19

SECTION - C : BRAINBOX

21. Study the number pattern given below.

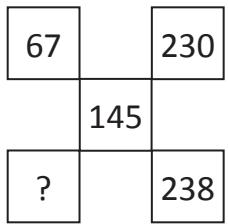
563 ? 587 599 611 623

What is the missing number in the pattern?

- a. 564 b. 575 c. 578 d. 580
22. Aman has 9 tens 4 ones more than ₹58. Ajeet has 2 tens 6 ones less than Aman. How much does Ajeet has?
- a. ₹126 b. ₹142 c. ₹178 d. ₹186

23. The given diagram shows some numbers in the boxes. The sum of the numbers in each diagonal is equal. The missing number in the box is

- a. 70 b. 72
c. 75 d. 77



24. Observe the pattern given below.

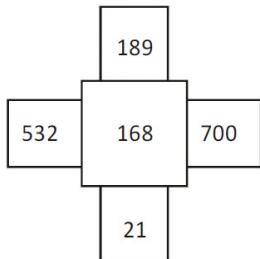


Figure 1

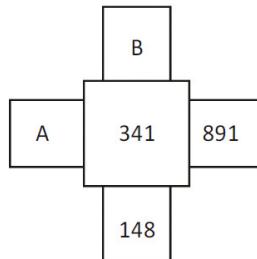


Figure 2

The difference between number A and B in figure 2 is

- a. 61 b. 62 c. 63 d. 64

25. Read the following clues.

One less than the greatest three digit number = R

46 ones = S

Four hundred and nine = T

Which of the following is the correct match for the given clues?

	R	S	T
a.	997	46	409
b.	998	460	409
c.	998	46	409
d.	999	46	490

Darken your choice with HB pencil .

- | | | | | | | | | | | | | | | | |
|---------------------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|
| 1. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 8. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 15. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 22. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 2. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 9. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 16. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 23. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 3. <input checked="" type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | 10. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 17. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 24. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 4. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 11. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 18. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 25. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 5. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 12. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 19. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |
| 6. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 13. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 20. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |
| 7. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 14. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 21. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |

Addition and Subtraction

SECTION - A : MATHEMATICAL REASONING

1. The sum of the greatest 2-digit number and the smallest 2-digit number is
 a. 191 b. 109
 c. 190 d. 199
2. The difference between the greatest 3-digit number and the smallest 3-digit number is
 a. 900 b. 800
 c. 899 d. 989
3. The sum of 403 and 302 is
 a. 507 b. 750
 c. 705 d. 570
4. What is the difference between 413 and 536?
 a. 231 b. 312
 c. 123 d. 321
5. 2 hundreds 2 tens + 6 hundreds 2 tens 7 ones is
 a. 515 b. 579
 c. 847 d. 867
6. 6 hundreds – 3 hundreds 8 ones is
 a. 285 b. 287
 c. 290 d. 292
7. $42 + \diamond = 121$
 What is the value of \diamond ?
 a. 16 b. 64
 c. 72 d. 79
8. Which of the following numbers will replace the \square in the given sum?
 a. 4
$$\begin{array}{r} 1 & 2 & 9 \\ + 7 & 3 & 5 \\ \hline 8 & 6 & \square \end{array}$$

 b. 6
 c. 8
 d. 5
9. $644 - \square + \square = 478$
 What numbers should be filled in these boxes to complete the sum?
 a. 89, 67 b. 78, 57
 c. 32, 56 d. 76, 86
10. $53 - 37 = 28 - 12$
 $530 - \star = 280 - 120$
 \star represents a 3-digit number.
 The sum of the digits in \star is
 a. 0 b. 10
 c. 21 d. 4

11. $127 + 131 = 131 + \square$
- 172
 - 127
 - 217
 - 721
12. Subtract a number from 35 and the result is 35. The number is
- 15
 - 10
 - 45
 - 0
13. I am more than $20 + 20$ but less than $40 + 5$. What number am I?
- 43
 - 23
14. _____ groups of 3 is the same as 30.
- 10
 - 12
 - 15
 - 20
15. Choose the correct option.
- $6 + 3 = 4 + 2 + 3$
 - $17 + 2 = 5 + 5 + 5 + 5$
 - $25 - 10 = 3 + 5 + 8$
 - $22 - 6 = 20 - 5$

SECTION - B : EVERYDAY MATHS

16. $81 \xrightarrow{-30} \square \xrightarrow{-4} \square$
 $81 - 34 = \square$
- The numbers in the boxes are
- 51, 47, 47, respectively
 - 51, 45, 45, respectively
 - 51, 43, 43, respectively
 - 51, 41, 41, respectively
17. Given, $X + Y = 13$
and $X + X + Y = 23$
The value of X is
- 6
 - 8
 - 10
 - 12
18. Jaya had 18 toy cars and Rita had 29 toy cars. How many toy cars did they have in all?
- c. 40
d. 46
19. Mrs Mehra wants to distribute 587 chocolates. She has 230 chocolates in the box. How many more chocolates she must buy?
- 202
 - 302
 - 212
 - 357
20. There were seven jeeps in a garage.
How many tyres were there altogether?
- 16
 - 18
 - 28
 - 30
- 
- 

SECTION - C : BRAINBOX

21. Look at the given puzzle.

70	+	X	=	97
			-	
		23		
Y	+	10	=	Z

The values of X, Y and Z, respectively are

- a. 17, 15, 105 b. 85, 17, 105
- c. 17, 85, 105 d. 27, 74, 84

22. Jolly bought a camera and two shirts. The camera costs ₹150 and each shirt costs ₹60 less than the camera. If he is left with ₹118, then how much money did Jolly have originally?

- a. ₹448 b. ₹330
- c. ₹358 d. ₹428

23. 603 women and 189 men attended a meeting.

- i. How many adults were there?

ii. How many more women were there than men?

- a. 792, 414
- b. 414, 792
- c. 802, 404
- d. 792, 404

24. Rahul has 400 stamps.

Rakesh has 129 fewer stamps than Rahul but 12 more stamps than Amit. How many stamps does Amit have?

- a. 259 b. 258
- c. 257 d. 256

25. Jaya had 328 marbles. She gave some of the marbles to Hari. Jaya's mother bought her twice the amount of marbles she had given to Hari. She then had 500 marbles. How many marbles did Jaya give to Hari?

- a. 170 b. 171
- c. 172 d. 173

Darken your choice with HB pencil -

- 1. a b c d
- 2. a b c d
- 3. a b c d
- 4. a b c d
- 5. a b c d
- 6. a b c d
- 7. a b c d

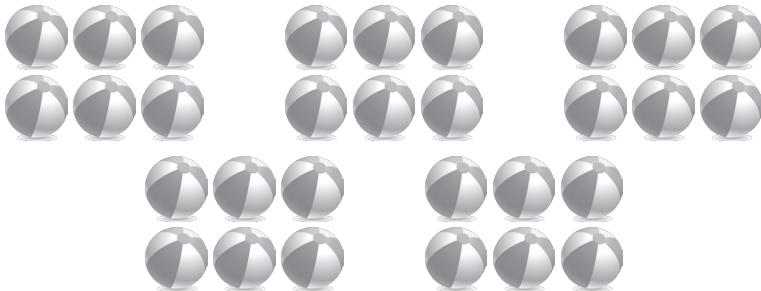
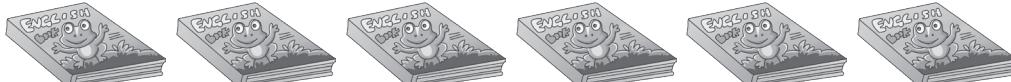
- 8. a b c d
- 9. a b c d
- 10. a b c d
- 11. a b c d
- 12. a b c d
- 13. a b c d
- 14. a b c d

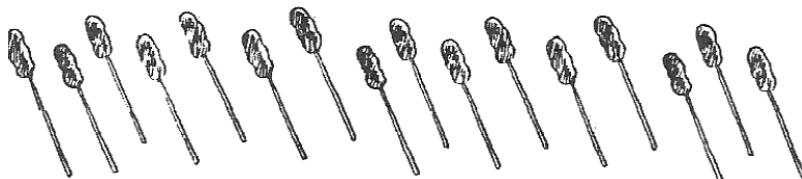
- 15. a b c d
- 16. a b c d
- 17. a b c d
- 18. a b c d
- 19. a b c d
- 20. a b c d
- 21. a b c d

- 22. a b c d
- 23. a b c d
- 24. a b c d
- 25. a b c d

Multiplication and Division

SECTION - A : MATHEMATICAL REASONING

1. 
- i. There are 5 boxes. The number of balls in each box is _____.
- ii. There are _____ balls in 5 boxes.
- a. 5, 6 b. 6, 30
c. 30, 6 d. 6, 6
2. Group these 6 books into 2 equal piles. There are _____ books in each pile.
- 
- a. 3 books b. 2 books
c. 6 books d. 1 books
3. The mother has a few candy sticks as shown in the picture given below. She gives 4 candy sticks to her each child. How many children does she have?



- a. 6 b. 4
c. 5 d. 8

4. Choose the correct options.

i. $40 \div 4 =$ _____
ii. $10 \times 4 =$ _____

- a. 10, 40
b. 40, 10
c. 10, 4
d. 4, 10

5. Six similar toy cars cost ₹54. How much does one toy car cost?

- a. ₹7 b. ₹10
c. ₹5 d. ₹9

6. $2 \times 8 =$ _____ and $5 \times 0 =$ _____

- a. 16, 5 b. 10, 0
c. 16, 0 d. 10, 5

7. One auto rickshaw has three wheels. Five auto rickshaws have _____ wheels.

- a. 20 b. 15
c. 30 d. 25

8. Which of the following numbers complete the given number sentence?

$72 \div 9 =$ _____
a. 9 b. 8
c. 7 d. 3

9. When a number is divided by 2 and then multiplied by 5, the result is 25. What is the number?

- a. 12 b. 10
c. 8 d. 6

10. 5 less than 7×5 is

- a. 40 b. 35
c. 30 d. 50

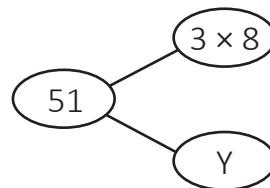
11. + + = 9

+ + = 10

The value of is

- a. 1 b. 2
c. 3 d. 4

12. A number bond is shown below. What is the value of Y?



- a. 6 b. 9
c. 12 d. 27

13. When the digit in the tens place of a 3-digit number is divided by its digit in the hundreds place, it produces the same value as the digit in the ones place.

Which of the following 3-digit numbers is not formed by the given rule?

- a. 122 b. 222
c. 263 d. 284

14. $P = 17 \times 2$. The value of P is

- a. 24 b. 14
c. 51 d. 34

15. $4 \times \Delta = 20$

$5 \times \Delta = 25$

$10 \times \Delta = 50$

Δ stands for _____.

- a. 4 b. 5
c. 3 d. 2

SECTION - B : EVERYDAY MATHS

16. Mary bought 13 bundles of comics. There were 13 comics in each bundle. How many comics did she buy altogether?
- a. 169
 - b. 196
 - c. 516
 - d. 26
17. A florist has 9 bouquets of flowers to deliver. There are 10 flowers in a bouquet. How many flowers does the florist have to deliver in all?
- a. 10 flowers
 - b. 90 flowers
 - c. 70 flowers
 - d. 100 flowers
18. The cost of 1 ice cream cone is ₹15. Rahul has ₹65 in his pocket. How much more money does he need to buy 6 such cones?

- a. ₹15
- b. ₹25
- c. ₹35
- d. ₹45

19. The cost of 6 bananas is ₹18. What is the cost of

- i. 3 bananas
 - ii. 12 bananas
- a. ₹9, ₹36
 - b. ₹18, ₹36
 - c. ₹9, ₹18
 - d. ₹27, ₹36



20. Shivani bought 2 boxes of candies. There were 10 candies in each box. Her brother ate 9 candies. How many candies is she left with?

- a. 11
- b. 2
- c. 10
- d. 4

SECTION - C : BRAINBOX

21. Meena has pencils and 6 bags. She puts 5 pencils in each bag. She is now left with 4 pencils. How many pencils did she have originally?
- a. 28
 - b. 32
 - c. 30
 - d. 34
22. Harish had 112 buns. He made 5 packets. Each packet had 8 buns.

How many buns was he left with?

- a. 72
- b. 70
- c. 99
- d. 125

23. Bobby cuts a string of length 27 m into 3 equal pieces. The length of each piece of the string is

- a. 6 m
- b. 7 m
- c. 8 m
- d. 9 m

24. Miss Rekha wants to give 3 cookies each to 8 children. How many more cookies does she need to buy if she has only 20 cookies?

- a. 5 b. 4
c. 3 d. 2

25. On a sale, there is a free T-shirt on buying three T-shirts. Kiran buys 9 T-shirts. How many free T-shirts will she get in all?

- a. 3 b. 4
c. 9 d. 12

Darken your choice with HB pencil -

1. a b c d
2. a b c d
3. a b c d
4. a b c d
5. a b c d
6. a b c d
7. a b c d

8. a b c d
9. a b c d
10. a b c d
11. a b c d
12. a b c d
13. a b c d
14. a b c d

15. a b c d
16. a b c d
17. a b c d
18. a b c d
19. a b c d
20. a b c d
21. a b c d

22. a b c d
23. a b c d
24. a b c d
25. a b c d

SECTION - A : MATHEMATICAL REASONING

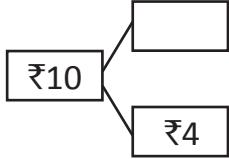
1. Count and choose the correct amount.



- a. ₹53
b. ₹43
c. ₹48
d. ₹58
2. _____ is 100 paise more than ₹21.
- a. 20
b. 21
c. 23
d. 22
3. Choose the biggest denomination from the following:
- a. 100-rupee note
b. 500-rupee note
c. 10-rupee note
d. 2000-rupee note
4. Which of the following coins are not in circulation anymore?
- a. 5-rupee coin

- b. 1-rupee coin
c. 5 paisa coin
d. 10-rupee coin

5. How many 5-rupee coins you need to make ₹35?
- a. 5
b. 6
c. 7
d. 4
6. Which of the following amount will complete the given number bond?
- a. ₹4
b. ₹5
c. ₹6
d. ₹7
7. Which of the following amount will complete the given amount?
₹9.75 = _____ rupees _____ paise.
- a. 9, 70
b. 97, 5
c. 9, 75
d. 75, 9
8. Pawan spent ₹24 on a music CD and ₹39 on a movie DVD. How much did he spend altogether?
- a. ₹53
b. ₹54
c. ₹64
d. ₹63



9. The amount of money Jyoti has is shown below. How much more money does she need if she wants to buy the doll?



- a. ₹20 b. ₹30 c. ₹40 d. ₹10

10. Study the pattern given below.

₹1 ₹2 ₹4 A B

The amount of money represented by B is _____.

- a. ₹9 b. ₹19
c. ₹24 d. ₹28

11. Daisy wanted to buy a pencil box. Its price was ₹34. She paid the cashier with four 10-rupee notes. How much did she get in return?

- a. ₹5 b. ₹6
c. ₹7 d. ₹8

12. A cup costs ₹128. A cup costs ₹43 more than the cup. The total cost of both the items is

- a. ₹299 b. ₹300
c. ₹298 d. ₹301

13. The total cost of a bag and a bottle is ₹112. If the bag costs ₹73, then

what is the cost of the bottle? How much less does the bottle cost than the bag?

- a. ₹39, ₹39 b. ₹39, ₹34
c. ₹34, ₹39 d. ₹34, ₹34

14. Count and choose the total amount of money.



- a. ₹70 b. ₹68
c. ₹58 d. ₹71

15. A school bag costs ₹179 and a water bottle costs ₹78. How much less does the water bottle cost than the school bag?

- a. ₹18 b. ₹101
c. ₹100 d. ₹79

SECTION - B : EVERYDAY MATHS

16. The value of the given currency note is equal to _____ paise.



- a. 100 paise
- b. 1000 paise
- c. 50 paise
- d. 200 paise

17. Khushi has 90 paise. Rekha has 30 paise more than Khushi. How much money does Rekha have?
- a. 93 paise
 - b. 120 paise
 - c. 150 paise
 - d. 39 paise

18. Mr Kumar had lunch in a restaurant. The picture of the bill is given below. He gave a 50-rupee note to the cashier. How much money did the cashier return to him?

- a. ₹15
- b. ₹36
- c. ₹35
- d. ₹24

Salad
1 green salad ₹12
1 juice ₹3

19. The chart shows the movie ticket prices. Mr Kapoor bought 2 tickets for adults and 3 tickets for children. How much did he pay for the tickets in all?

- a. ₹70
- b. ₹160
- c. ₹100
- d. ₹210

Movie
Adult - ₹50
Child - ₹20

20. Rajat has some money shown below.



Which of the following amounts is more than the amount of money he has?

- a. ₹36
- b. ₹37
- c. ₹32
- d. ₹38

SECTION - C : BRAINBOX

21. Ronnie spends ₹380 to buy two of the following items. Which two items did he buy?



Eraser

₹5



Toy bike

₹200



Book

₹180



Shirt

₹150



Toy car

₹80

- a. A toy car and a book
- b. A book and an eraser
- c. A toy car and a shirt
- d. A toy bike and a book

22. Shikha has ₹400. She purchased the following items. How much money is she left with after shopping?



Braclet

₹80

- a. ₹295
- b. ₹278
- c. ₹260
- d. ₹175



Hair clip

₹25

23. Vijay buys the costliest item and the cheapest item. If he gives a 100-rupee note to the seller, how much money will he get back from the seller?

a. ₹25



Muffin

₹20

b. ₹70



Sandwich

₹12

c. ₹35



Chips

₹12

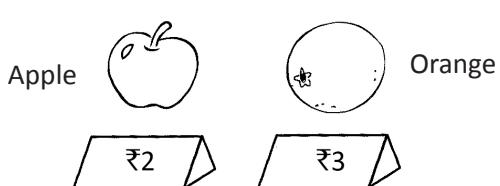
d. ₹55



Milkshake

₹10

Study the pictures given below and answer Q24 and Q25.



Apple



Orange

₹2

₹3

24. How much more do five oranges cost than three apples?

- a. ₹13
- b. ₹17
- c. ₹9
- d. ₹7

25. Rahul has ₹3. If he wants to buy ten apples and five oranges, how much more money does he need?

- a. ₹33.5
- b. ₹23.4
- c. ₹32.4
- d. ₹3.2

Darken your choice with HB pencil -

1. a b c d
2. a b c d
3. a b c d
4. a b c d
5. a b c d
6. a b c d
7. a b c d

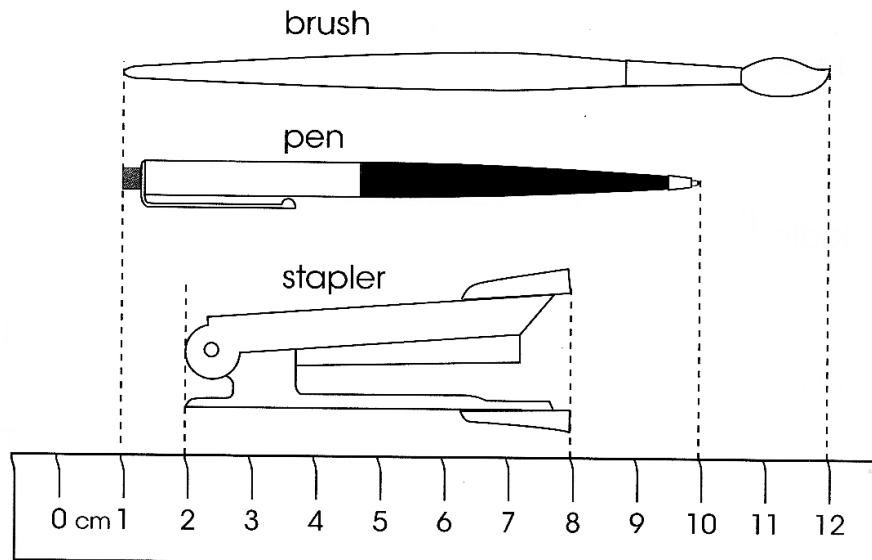
8. a b c d
9. a b c d
10. a b c d
11. a b c d
12. a b c d
13. a b c d
14. a b c d

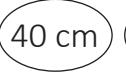
15. a b c d
16. a b c d
17. a b c d
18. a b c d
19. a b c d
20. a b c d
21. a b c d

22. a b c d
23. a b c d
24. a b c d
25. a b c d

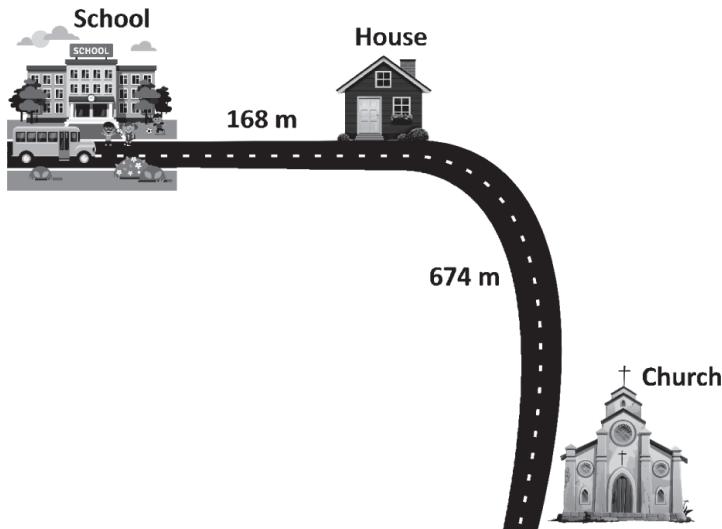
SECTION - A : MATHEMATICAL REASONING

1. The standard unit of length is
 - a. meter
 - b. kilometer
 - c. centimeter
 - d. none of these
2. $1 \text{ meter} = \underline{\hspace{2cm}}$ centimeters.
 - a. 10
 - b. 20
 - c. 1000
 - d. 100
3. Meter is represented by
 - a. met
 - b. mtr
 - c. m
 - d. none of these
4. Centimeter is represented by
 - a. centim
 - b. cmt
 - c. cm
 - d. all of these
5. Study the picture given below to answer the questions that follow.



- (i) The brush is cm long.
- (ii) The pen is cm shorter than the brush.
- (iii) The stapler is cm shorter than the pen.
- (iv) The pen is cm long.
- a. 11, 2, 3, 9 b. 11, 2, 9, 3
c. 2, 11, 3, 9 d. 11, 3, 2, 9
6. $685 \text{ m} - 123 \text{ m} + 25 \text{ m} = \underline{\hspace{2cm}}$ m.
a. 587 b. 562 c. 537 d. 783
7. Which of the following is a straight line?
- a.  b. 
- c.  d. 
8. Which of the following is in increasing order?
-   
- a. 40 cm, 4 m, 40 m b. 4 m, 40 m, 40 cm
c. 40 cm, 8 m, 4 m d. 40 m, 4 m, 40 cm

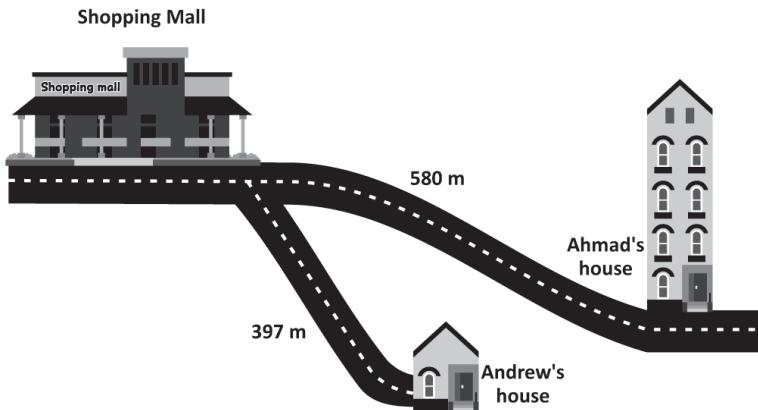
Look at the picture given below. Answer Q9 and Q10.



9. The school is m away from the house.
a. 168 b. 166 c. 170 d. 188
10. The church is m away from the house.
The house is nearer to the _____ than to the _____.
a. 674; church, school b. 674; school, church
c. 506; school, church d. 506; church, school
11. A rope is 250 cm long and a string is 115 cm long. How much longer is the rope than the string?
a. 125 cm b. 135 cm c. 145 cm d. 155 cm
12. _____ is the shortest object and _____ is the tallest object.
- Chair 2 m Bag 3 m Table 1 m Tree 8 m

- a. Chair, boy b. Table, chair
c. Table, tree d. Chair, tree

13. Use the map given below to answer the questions that follow.



- i. Ahmad walked from his house to the shopping mall. Then he walked to Andrew's house. How much distance did he cover altogether?
ii. Whose house is nearer to the shopping mall and by how much?
a. 977 m; Andrew's house by 183 m
b. 183 m; Andrew's house by 977 m
c. 580 m; Ahmad's house by 183 m
d. 977 m; Ahmad's house by 397 m

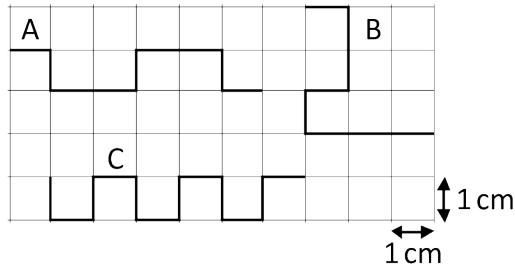
14. The height of the taller tree is thrice the height of the shorter tree.

The taller tree is _____ m taller than the shorter tree.

- a. 6
- b. 2
- c. 8
- d. 4



15. Look at the given figure. Answer the questions that follow.



- i. The line segment _____ is the longest.
- ii. The total length of the line segment A, B and C is _____ cm.
 - a. C, 29 cm
 - b. A, 27 cm
 - c. C, 28 cm
 - d. B, 29 cm

SECTION - B : EVERYDAY MATHS

16. A door is 225 cm tall. A child, who is 108 cm tall, is standing at the door. The gap between the head of the child and the top of the door is _____ cm.

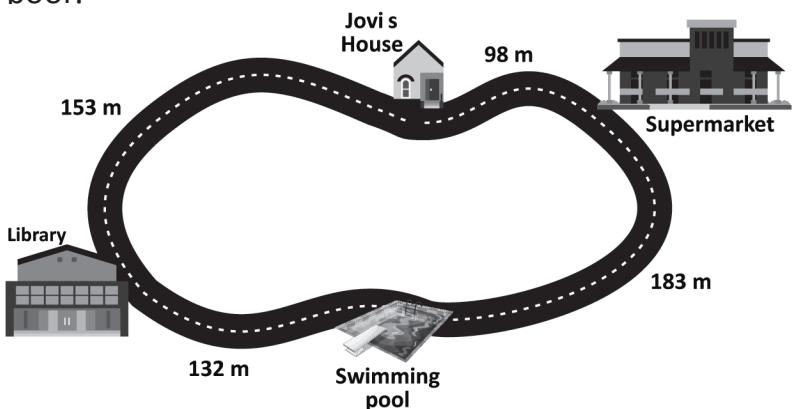
- a. 333
- b. 117
- c. 107
- d. 110

17. Arun ran 6150 m during a race. After the race, he walked another 750 m. What was the total distance he covered?

- a. 7000 m
- b. 6570 m
- c. 6000 m
- d. 6900 m

18. The map shows the path from Jovi's house to some places. Jovi wants to go swimming. Which of the following is the shortest distance between Jovi's house to the swimming pool?

- a. 285 m
- b. 271 m
- c. 281 m
- d. 185 m

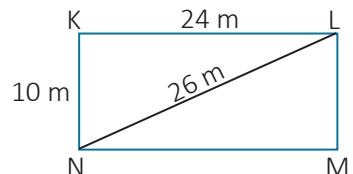


19. Anju jogged around the given rectangular field twice. How much distance did she cover?



- a. 30 m
- b. 24 m
- c. 54 m
- d. 108 m

20. Jaya walks from N to L along the sides of the rectangular field while Kiran walks directly from N to L along the diagonal.



Jaya walks _____ m more than Kiran.

- a. 8 m
- b. 12 m
- c. 14 m
- d. 16 m

SECTION - C : BRAINBOX

21. Pinky is 157 cm tall. Her younger sister, Anjali, is 12 cm shorter than her. Their father is 125 cm shorter than their total height. How tall is their father?

- a. 169 cm
- b. 137 cm
- c. 167 cm
- d. 177 cm

22. Nine poles are arranged in a row with equal spacing in between. If the distance between the first and the last pole is 56 m, then what is the distance between each pole? (Assume that the thickness of each pole is negligible.)

- a. 8 m
- b. 7 m
- c. 9 m
- d. 6 m

23. A is 4 m long and C is 1 m long.

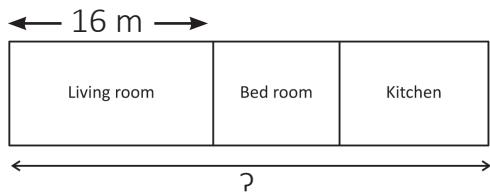
The difference in length between A and B is equal to the length of C. B is _____ m longer than C.

- a. 7 m
- b. 2 m
- c. 6 m
- d. 8 m

24. Sapna is 156 cm tall. Liza is 19 cm shorter than Sapna but 21 cm taller than Tina. How tall is Tina?

- a. 122 cm
- b. 114 cm
- c. 112 cm
- d. 116 cm

25. The map below shows the floor plan of a house. The length of the living room is 16 m. The kitchen is 8 m shorter than the living room, and the bedroom is 2 m shorter than the kitchen.



The length of the house is

- a. 30 m
- b. 32 m
- c. 28 m
- d. 24 m

-
- Darken your choice with HB pencil -
- | | | | |
|--|---|---|---|
| 1. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 8. <input type="radio"/> a <input checked="" type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 15. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 22. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 2. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 9. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 16. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 23. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 3. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 10. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 17. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 24. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 4. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 11. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 18. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 25. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 5. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 12. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 19. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 6. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 13. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 20. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 7. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 14. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 21. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |

SECTION - A : MATHEMATICAL REASONING

1. The standard unit of mass is _____ and it is represented by _____.

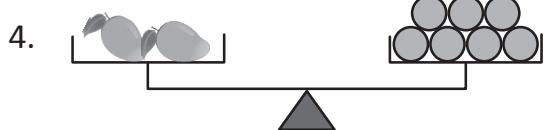
- a. kg, kilogram
- b. kilogram, kg
- c. kilometer, kg
- d. gram, kg

2. If pineapple + pineapple + pineapple = 3 kg, then pineapple = _____.

- a. 2 kg
- b. 1 kg
- c. 100 g
- d. 300 g

3. Which is the lightest among all four?

- a. M  5 kg
- b. N  12 kg
- c. O  4 kg
- d. P  6 kg

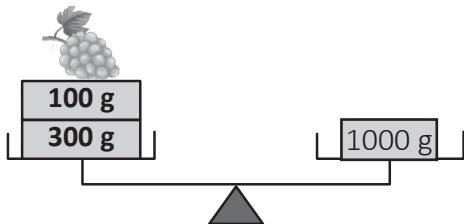


Each  stands for 100 g.

What is the mass of 2 mangoes?

- a. 50 g
- b. 70 g
- c. 200 g
- d. 700 g

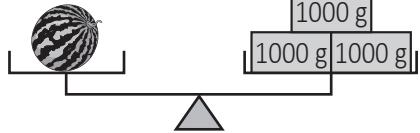
5. The mass of grapes is _____ g.



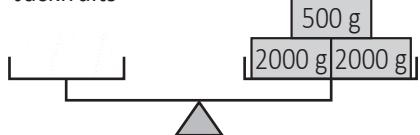
- a. 600 g
- b. 500 g
- c. 400 g
- d. 300 g

Study the picture given below to answer Q6 to Q8.

Watermelon



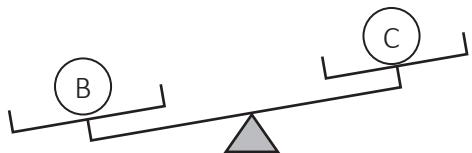
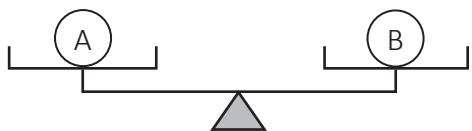
Jackfruits



Oranges



6. The mass of the _____ is 4500 g.
- oranges
 - watermelon
 - jackfruits
 - none of these
7. The ___ has a mass less than 2000 g.
- jackfruits
 - oranges
 - watermelon
 - all of these
8. The mass of the watermelon is _____ g more than the weight of the oranges.
- 1940
 - 1960
 - 1840
 - 1930
9. Look at the given picture.



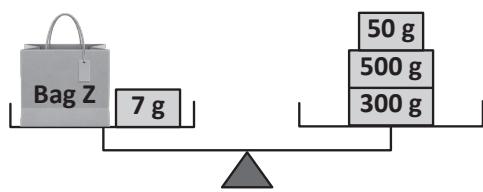
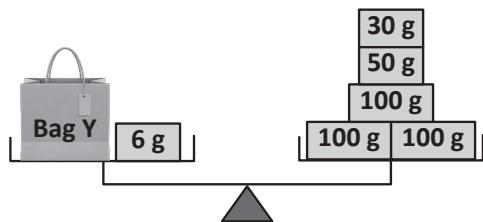
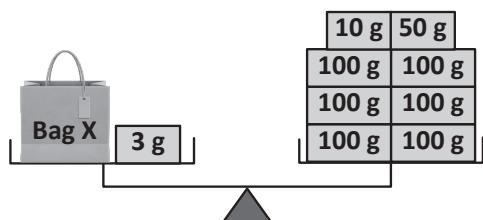
Object _____ is the lightest.

- A
 - B
 - C
 - A and B
- 10.
-

The given bottle of ketchup has a mass of _____ g.

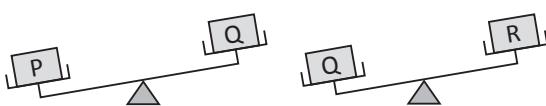
- 300
- 350
- 375
- 400

Use the picture given below to answer Q11 to Q13.



11. The mass of bag X is _____ g more than the mass of bag Y.
- 660
 - 1140
 - 283
 - 1040
12. The mass of bag X is less than the mass of bag _____.
- Both Y and Z
 - Y
 - Z
 - can't say
13. The mass of bag Y is _____ g less than the mass of bag Z.
- 1100
 - 630
 - 530
 - 469

14. Look at the given weighing scale. Which of the following is the correct order from the lightest to the heaviest.



- a. R, Q, P
- b. R, P, Q
- c. P, Q, R
- d. P, R, Q

15. The mass of 12 bags of sugar each weighing 100 g is

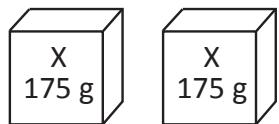
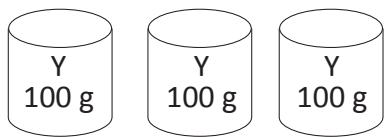
- a. 112 g
- b. 12 g
- c. 1200 g
- d. None of these

SECTION - B : EVERYDAY MATHS

16. Suhana baked 9 chocolate cakes. The mass of each cake is 1 kg. What is the total mass of all the cakes?

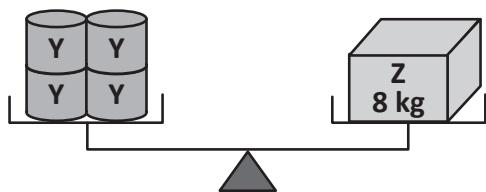
- a. 9 kg
- b. 10 kg
- c. 8 kg
- d. 7 kg

17. Three tins of Y and two tins of X have a total mass of _____ g.



- a. 220
- b. 540
- c. 650
- d. 1000

18. Look at the given weighing scale.



The total mass of box Z and four tins of Y is

- a. 12 kg
- b. 16 kg
- c. 10 kg
- d. 14 kg

19. Box A is 281 g. Box B is 19 g heavier than box A. Box C is 70 g lighter than box B. What is the mass of box C?

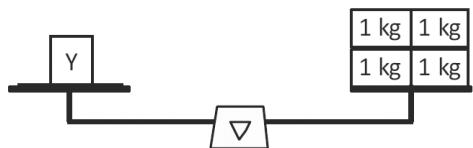
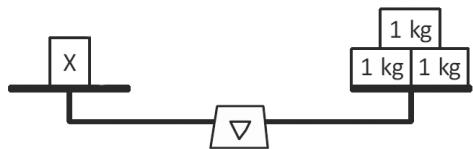
- a. 230 g
- b. 220 g
- c. 330 g
- d. 320 g

20. Miss Kate has 18 kg of rice. She packs the rice into packets of 3 kg each. How many packets of rice does she make?

- a. 6
- b. 5
- c. 7
- d. 9

SECTION - C : BRAINBOX

Study the weighing scales given below and answer Q21 and Q22.



21. What is the mass of object Y?

- a. 4 kg
- b. 2 kg
- c. 3 kg
- d. 1 kg

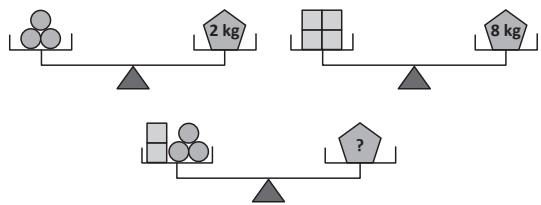
22. What is the mass of object X?

- a. 1 kg
- b. 3 kg
- c. 2 kg
- d. 4 kg

23. The total mass of object X and Y is

- a. 7 kg
- b. 4 kg
- c. 2 kg
- d. 5 kg

24. Study the picture given below.



What is the total mass of ●●● and ■■?

- a. 10 kg
- b. 6 kg
- c. 8 kg
- d. 12 kg

25. Zoya bought 19 kg of prawns, chicken, fish and vegetables from the market. She bought 2 kg of prawns and 5 kg more chicken than prawns. She also bought 1 kg more fish than chicken. How many kilograms of vegetables did Zoya buy?

- a. 1 kg
- b. 2 kg
- c. 3 kg
- d. 4 kg

Darken your choice with HB pencil –

1. a b c d
 2. a b c d
 3. a b c d
 4. a b c d
 5. a b c d
 6. a b c d
 7. a b c d

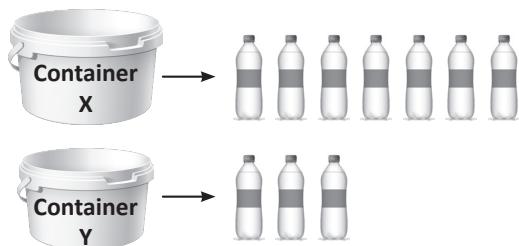
8. a b c d
 9. a b c d
 10. a b c d
 11. a b c d
 12. a b c d
 13. a b c d
 14. a b c d

15. a b c d
 16. a b c d
 17. a b c d
 18. a b c d
 19. a b c d
 20. a b c d
 21. a b c d

22. a b c d
 23. a b c d
 24. a b c d
 25. a b c d

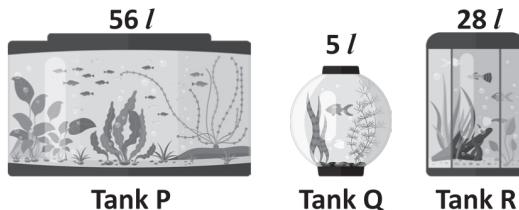
SECTION - A : MATHEMATICAL REASONING

1. The volume is the measurement of
 - a. weight
 - b. length
 - c. capacity
 - d. distance
2. Litre and millilitre is represented as _____ and _____, respectively.
 - a. L, g
 - b. L, mL
 - c. L, cm
 - d. m, mL
3. Rahul has two containers as shown below.



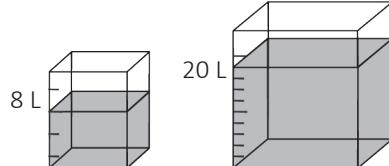
Container X can contain _____ more bottles of water than container Y.

- a. 6
 - b. 2
 - c. 10
 - d. 4
4. There are three different fish tanks as shown below.



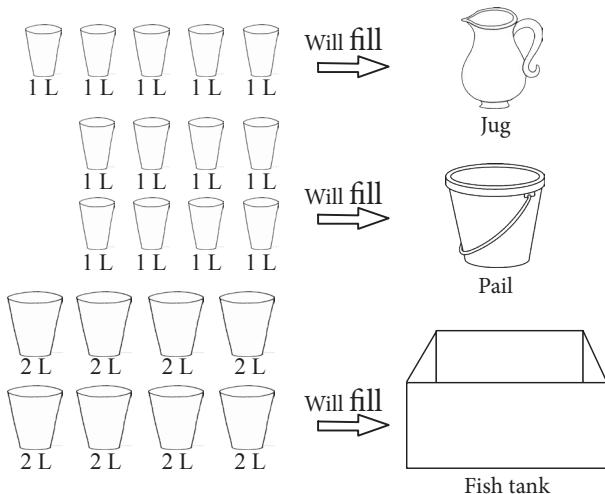
Which of the following sizes of the fish tanks are in increasing order?

- a. Q, R, P
 - b. P, Q, R
 - c. R, Q, P
 - d. P, R, Q
5. A tank contained 389 L of water. After watering some plants, there was 205 L of water left in the tank. How many litres of water was used to water the plants?
 - a. 389 L
 - b. 205 L
 - c. 184 L
 - d. 148 L
 6. What is the total volume of water in the two containers?



- a. 12 L
- b. 15 L
- c. 24 L
- d. 25 L

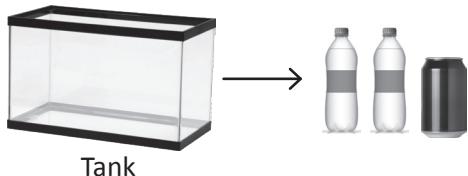
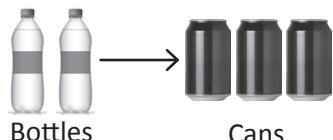
Use the picture given below to answer Q7 to Q10.



7. The pail can hold _____ litres of water.
a. 5 b. 10 c. 2 d. 3
8. The jug can hold _____ more litres of water than the pail.
a. 7 b. 3 c. 9 d. 12
9. The fish tank can hold _____ litres of water.
a. 16 b. 15 c. 24 d. 25
10. The fish tank can hold _____ more litres of water than the jug.
a. 8 b. 3 c. 4 d. 6
11. Look at the given table. What is the total capacity of the largest and the smallest container?
a. 10 L 250 mL b. 9 L 250 mL
c. 10 L 300 mL d. 10 L
12. The volume of a cylinder is 2 L. The volume of a bucket is twice that of a cylinder. The volume of 6 buckets is
a. 6 L b. 12 L c. 18 L d. 24 L
13. A full tank contains 24 L of water. Each pail can contain 2 L of water.
How many pails are needed to fill the tank completely?
a. 6 b. 2 c. 8 d. 12

CONTAINER	CAPACITY
Jug	720 mL
Pail	10 L 50 mL
Mug	250 mL
Bottle	500 mL

Look at the pictures given below and answer Q14 and Q15.



14. How many bottles and cans are needed to fill 2 tanks completely?

- a. 2 bottles and 2 cans
- b. 4 bottles and 1 can
- c. 2 bottles and 4 cans
- d. 4 bottles and 2 cans

15. How many tanks can be filled with 6 bottles and 3 cans?

- a. 1
- b. 2
- c. 3
- d. 4

SECTION - B : EVERYDAY MATHS

Look at the pictures given below and answer Q16 and Q17.



16. When 3 cups and 6 containers of water are poured into an empty pail, it is half filled. What is the volume of the pail?

- a. 28 L
- b. 40 L
- c. 42 L
- d. 56 L

17. How many more containers are needed to fill the pail completely?

- a. 5
- b. 6
- c. 7
- d. 8

18. Ravi bought 156 L of paint. He used 95 L to paint his house. How much paint is left with him?

- a. 16 L
- b. 61 L
- c. 60 L
- d. 64 L

19. An overhead water tank in a building holds 95 litres of water. A tap was left open accidentally and a lot of water drained out. If the tank is left with 38 L, then how much water was lost?

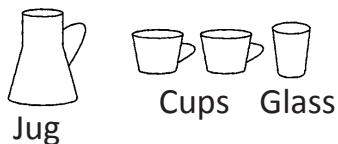
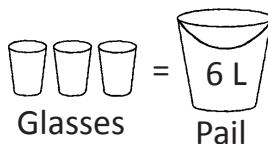
- a. 23 L
- b. 57 L
- c. 75 L
- d. 50 L

20. It takes 10 bowls to fill a jug and 2 bowls to fill a glass. How many glasses will fill the jug?

- a. 10
- b. 4
- c. 5
- d. 2

SECTION - C : BRAINBOX

Look at the pictures given below and answer Q21 to Q23.



21. A jug can hold as much water as _____ glasses.

- a. 1
- b. 2
- c. 4
- d. 6

22. The volume of 6 cups is _____ L.

- a. 4
- b. 6
- c. 8
- d. 10

23. = _____ L.

- a. 12
- b. 11
- c. 9
- d. 7

24. 2 bottles and 5 jugs can hold 23 L of milk while 4 bottles and 5 jugs can hold 29 L of milk. How many litres of milk can a bottle hold?

- a. 6 L
- b. 5 L
- c. 3 L
- d. 4 L

25. Three glasses of pineapple juice and four glasses of watermelon juice were mixed to make 1 jug of mixed fruit juice. During a family gathering, 6 jugs of mixed fruit juice was prepared. How many more glasses of watermelon juice than pineapple juice was used to prepare the fruit juice for the family gathering?

- a. 5
- b. 6
- c. 3
- d. 4

Darken your choice with HB pencil

1. a b c d

8. a b c d

15. a b c d

22. a b c d

2. a b c d

9. a b c d

16. a b c d

23. a b c d

3. a b c d

10. a b c d

17. a b c d

24. a b c d

4. a b c d

11. a b c d

18. a b c d

25. a b c d

5. a b c d

12. a b c d

19. a b c d

6. a b c d

13. a b c d

20. a b c d

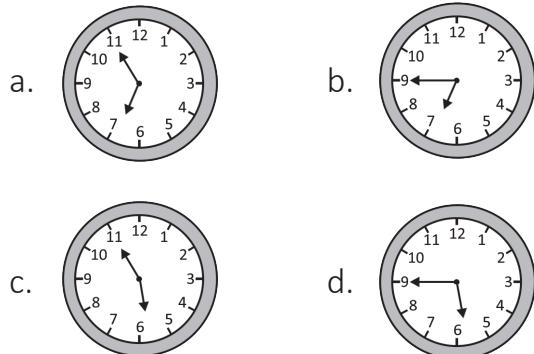
7. a b c d

14. a b c d

21. a b c d

SECTION - A : MATHEMATICAL REASONING

1. 1 hour equals _____ minutes.
- 60
 - 16
 - 26
 - 100
2. 60 seconds make _____ minute(s).
- 2
 - 1
 - 10
 - 5
3. The minute hand of clock is pointing at _____.
- 9
 - 10
 - 11
 - 12
4. The clock shows the time during the afternoon. Which of the following is the correct time?
- 12:02 a.m.
 - 12:02 p.m.
 - 12:10 a.m.
 - 12:10 p.m.
5. Which of the following clocks shows 6:45?



6. Sita starts her ballet practice from 1st December 20XX. If she practices only on odd number of days, then how many days did she practice in the month of December?
(Assume every Sunday is a holiday)

December 20XX						
S	M	T	W	T	F	S
				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

- a. 13 b. 12
c. 14 d. 10
7. Gauri plays in a park from 5:00 p.m. to 7:30 p.m. How long did she play?
- 1 hr 30 min
 - 2 hrs
 - 2 hrs 30 min
 - 2 hrs 25 min

8. If the day after tomorrow is Wednesday, then which day was it four days before today?
- Saturday
 - Thursday
 - Friday
 - Sunday
9. In a leap year, February has ____ days.
- 28
 - 30
 - 29
 - 365
10. Choose the correct statement.
- January has 29 days.
 - There are 60 minutes in an hour.
 - There are 316 days in a leap year.
 - 60 seconds equals 2 minutes.
11. Rita reached a book store at 12:30 p.m. She shopped there and left at 1:45 p.m. How long did she stay there?
- 45 min
 - 1 hr 15 min
 - 2 hs
 - 1 hr 30 min
12. Write the correct time for the clock shown below.
- 6:50
 - 6:55
 - 6:35
 - 6:30
- 
13. The clock in the picture is 5 minutes faster than the actual time. What should be the actual time?
- 9:25
 - 9:30
 - 9:40
 - 9:45
- 
14. The clock below shows the time 1:50 p.m. What time will it be 30 minutes later?
- 12:50 p.m.
 - 1:50 p.m.
 - 2:20 p.m.
 - 2:50 p.m.
- 
15. Zoya takes 30 minutes to type a page. She has to type 2 such pages by 12:15 p.m. At what time must she start typing the page?
- 11:15 a.m.
 - 10:50 a.m.
 - 11:45 a.m.
 - 11:15 p.m.

SECTION - B : EVERYDAY MATHS

16. 10 minutes after 11:55 p.m. is

- a. 12:05 a.m.
- b. 12:05 p.m.
- c. 11:45 a.m.
- d. 12:10 p.m.

17. The current time is 4:00 p.m.

2 hours later, it will be

- a. 6 p.m.
- b. 2 p.m.
- c. 8 p.m.
- d. 7 p.m.



18. A boat sailed from place X to place Y in 15 minutes. If the boat reached place Y at 2:05 p.m., then at what time did the boat leave place X?

- a. 1:55 p.m.
- b. 1:50 p.m.

- c. 1:45 p.m.

- d. 2:00 p.m.

19. Bhuvan's flight to Japan is at 11:30 p.m. He needs to check-in his luggage 1 hour before that. At what time should he reach the airport?



20. The time, now, is 30 minutes to 7 p.m. Half an hour later, it will be _____ p.m.

- a. 6:30
- b. 7:00
- c. 7:30
- d. 8:00

21. Esha took half an hour to complete a jigsaw puzzle. She completed three such puzzles consecutively. At what time did she start fixing the puzzles, if she completed them at 8:40 p.m.?

- a. 7:40 p.m.
- b. 8:10 p.m.
- c. 6:10 p.m.
- d. 7:10 p.m.

22. The time in Tokyo is 1 hour ahead of the time in Singapore. 30 minutes ago, the time in Singapore was 10:20 a.m. The time in Tokyo, 1 hour later, will be

- a. 12:45 p.m.
- b. 12:50 p.m.
- c. 12:45 a.m.
- d. 12:50 a.m.

23. Daya started exercising at 6:55 a.m. He usually exercises for 1 hour. But, he took half the time today.
At what time did he finish exercising today?

- a. 7:25 a.m.
- b. 7:55 a.m.
- c. 7:35 a.m.
- d. 6:25 a.m.

24. Kamla spent 30 minutes playing the piano before doing her homework. She took 30 minutes more to do her homework than to play the piano. She, then, took an afternoon nap for 30 minutes. The clock in the picture shows the time she woke up. At what time did she start doing her homework?

- a. 3:15 p.m.
- b. 4:15 p.m.
- c. 4:45 p.m.
- d. 4:00 p.m.



25. Karan started doing his homework at 1:50 p.m. and completed his homework half an hour later. His sister, Shirley, took 30 minutes more to complete her homework. At what time did Shirley finish her homework, if she started doing her homework at 15 minutes past 4 p.m.?

- a. 5:10 p.m.
- b. 5:45 p.m.
- c. 5:15 p.m.
- d. 4:45 p.m.

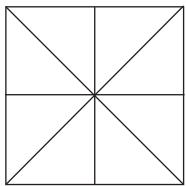
Darken your choice with HB pencil

1. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	8. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	15. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	22. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
2. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	9. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	16. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	23. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
3. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	10. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	17. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	24. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
4. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	11. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	18. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	25. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
5. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	12. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	19. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	
6. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	13. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	20. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	
7. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	14. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	21. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	

Logical Reasoning

1. How many triangles can you spot in the given figure?

- a. 4
- b. 14
- c. 12
- d. 16

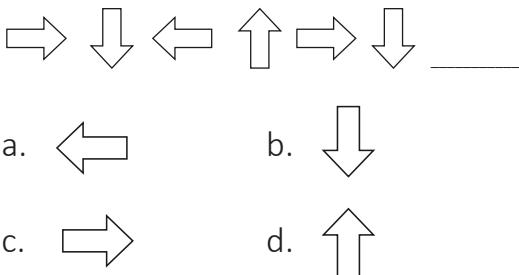


2. A part of the triangle is missing. Which of the following shapes will complete the triangle?

- a.
- b.
- c.
- d.



3. Look at the pattern. What comes next?



4. What is the least number of triangles needed to form the shape given below?

- a. 1
- b. 2
- c. 3
- d. 4

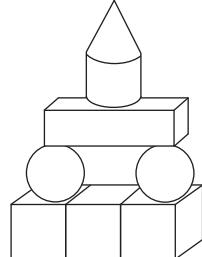


5. Drawing a line along the centre of the circle, divides it into two equal _____.

- a. rectangles
- b. circles
- c. squares
- d. semicircles

6. Maya made a figure with some solids. How many cuboids did she use?

- a. 1
- b. 4
- c. 3
- d. 2

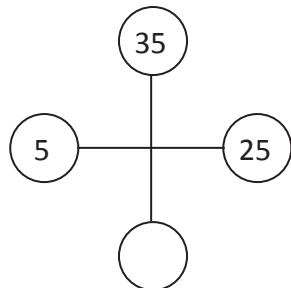


7. 11, 20, 29, 38, 47, ___, ___
The missing two numbers in the above pattern are ___ and ___.

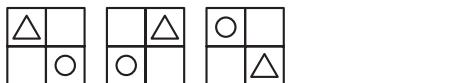
- a. 50, 60
- b. 56, 65
- c. 53, 64
- d. 59, 60

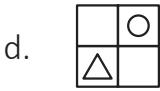
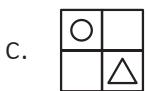
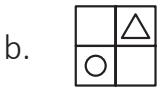
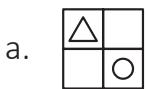
8. Which of the following numbers will complete the given pattern?

- a. 15
- b. 55
- c. 45
- d. 35

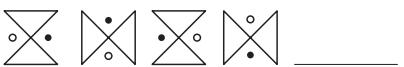


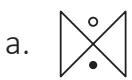
9. Study the pattern carefully and choose the correct option.





10. What comes next?





11. Which of the following figures has the maximum number of straight lines?



Figure 1



Figure 2

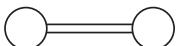


Figure 3

- a. Figure 1 b. Figure 2
c. Figure 3 d. All of these

12. + = 13

+ = 15

+ = 12

What is the value of ?

- a. 6 b. 7
c. 8 d. 9

Study the figures given below and answer Q13 to Q15.



Figure 1



Figure 2



Figure 3

13. There are _____ more straight lines in figure 3 than curved lines in figure 2.

- a. 8
b. 9
c. 11
d. 13

14. Figure 3 can be made by ? rectangles and ? quarter circles.
What is the sum of the missing numbers?

- a. 7
b. 6
c. 5
d. 4

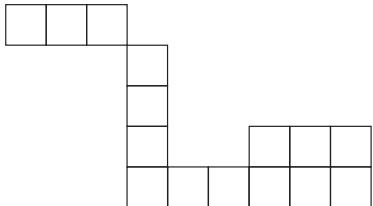
15. There are _____ more curved and straight lines in figure 3 than in figure 1.

- a. 1
b. 2
c. 5
d. 6

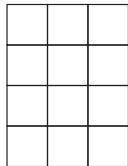
16. Which of the following has the least number of unit squares?

(1 = 1 unit square)

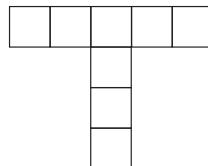
a.



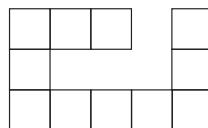
b.



c.



d.



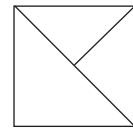
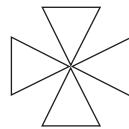
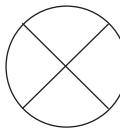
17. Mr Anurag takes 11 boys and 13 girls to a zoo. How many tickets does he need to buy?

- a. 25
- b. 24
- c. 22
- d. 26

18. The father of Sohan is the brother of Rohit. Reena is the grandmother of Sohan. How is Reena related to Rohit?

- a. Mother
- b. Daughter
- c. Grandmother
- d. Wife

19. Eva has some stickers as shown in the pictures given below.



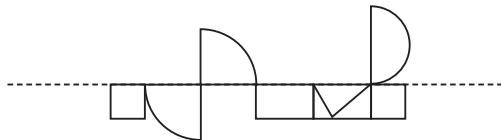
There are _____ squares in the stickers altogether.

- a. 6
- b. 8
- c. 10
- d. 1

20. If Jaya places a few match boxes one on top of the other, then what shape will she get?

- a. Cylinder
- b. Sphere
- c. Cuboid
- d. Cone

Study the figure given below and answer Q21 to Q23.



21. The figure is made up of _____ more triangles and rectangles than quarter circles.

- a. 1
- b. 2
- c. 3
- d. 4

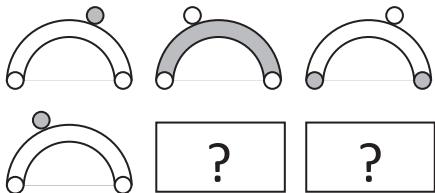
22. There are _____ curved lines.

- a. 4
- b. 3
- c. 2
- d. 6

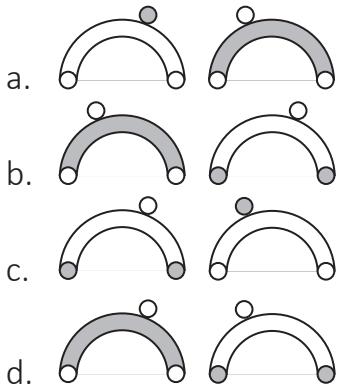
23. How many rectangles are there in the given figure?

- a. 1
- b. 2
- c. 3
- d. 4

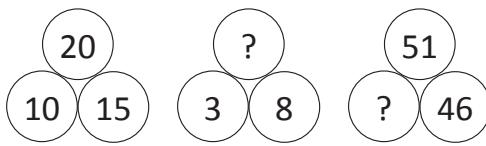
Study the pattern given below.



24. Which of the following are the next two figures in the pattern?



25. Complete the pattern by choosing the correct missing numbers.



- a. 9, 59
- b. 11, 15
- c. 10, 43
- d. 13, 41

Darken your choice with HB pencil -

1. a b c d
2. a b c d
3. a b c d
4. a b c d
5. a b c d
6. a b c d
7. a b c d

8. a b c d
9. a b c d
10. a b c d
11. a b c d
12. a b c d
13. a b c d
14. a b c d

15. a b c d
16. a b c d
17. a b c d
18. a b c d
19. a b c d
20. a b c d
21. a b c d

22. a b c d
23. a b c d
24. a b c d
25. a b c d

Answers

Chapter 1: Number to 1000

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

Chapter 2: Addition and Subtraction

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

Chapter 3: Multiplication and Division

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

Chapter 4: Money

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

Chapter 5: Length

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

Chapter 6: Mass

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

Chapter 7: Volume

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

Chapter 8: Time

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

Chapter 9: Logical Reasoning

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

My Notes
