

Which country recently launched the Tianhui-1C mapping satellite?

Options :

1. ☒ China
2. ☐ North Korea
3. ☐ Japan
4. ☐ South Korea

Question Number : 38 Question Id : 8788 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

How much is One MB is equal to?

Options :

1. ☐ 1000 KB
2. ☐ 1 billion bytes
3. ☒ 1024 KB
4. ☐ 1000 bytes

Question Number : 39 Question Id : 8789 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Mark Zuckerberg founded which company?

Options :

1. ☐ Google
2. ☒ Facebook
3. ☐ Microsoft
4. ☐ Airtel

Question Number : 40 Question Id : 8790 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which Windows program will you use to manage files and folders?

Options :

1. ☒ Windows Explorer
2. ☐ Windows Accessories
3. ☐ Microsoft Office
4. ☐ Windows Control Panel

ARITHMETIC

Section Id :	62
Section Number :	2
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	30
Number of Questions to be attempted:	30
Section Marks:	30.0

Sub-Section Number:	1
Sub-Section Id:	62

Question Number : 41 Question Id : 8791 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Shankar bought a garden hose from the hardware store. The hose measured 10 metres in length.

Which measurement below is closest to its length?

Options :

1. ✖ 30 feet
2. ✔ 32.8 feet
3. ✖ 38.2 feet
4. ✖ 100 feet

Question Number : 42 Question Id : 8792 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Find the remainder when $(68 \times 75 \times 37)$ is divided by 35.

Options :

1. ✖ 16
2. ✔ 15
3. ✖ 21
4. ✖ 34

Question Number : 43 Question Id : 8793 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If $2494 \div 145 = 17.2$, then what is the value of $24.94 \div 1.45$?

Options :

1. ✖ 0.172
2. ✖ 1.72
3. ✔ 17.2
4. ✖ 172

Question Number : 44 Question Id : 8794 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The expression $(12.96 \times 12.96 + 12.96 \times \mathbf{B} + 0.04 \times 0.04)$ will be a perfect square when **B** is equal to

Options :

1. ✖ 0.02
2. ✖ 0.2
3. ✔ 0.08
4. ✖ 0.04

Question Number : 45 Question Id : 8795 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

What will be the simplest form of this fraction operation $2\frac{1}{3} + \frac{4}{2}$?

Options :

1. ✖ 3
2. ✖ $1\frac{1}{3}$
3. ✔ $4\frac{1}{3}$

4. ✖ $3\frac{2}{3}$

Question Number : 46 Question Id : 8796 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following set of numbers are ordered from least to greatest?

Options :

1. ✖ 2.66, $\frac{5}{2}$, $\frac{25}{8}$, $\frac{8}{5}$

2. ✖ $\frac{5}{2}$, 2.66, $\frac{8}{5}$, $\frac{25}{8}$

3. ✔ $\frac{8}{5}$, $\frac{5}{2}$, 2.66, $\frac{25}{8}$

4. ✖ $\frac{25}{8}$, 2.66, $\frac{5}{2}$, $\frac{8}{5}$

Question Number : 47 Question Id : 8797 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A rectangular court 140ft long and 525ft wide is to be paved with tiles. How many tiles will be needed if each tile is 2.5ft wide and 3.5ft long?

Options :

1. ✖ 4800

2. ✔ 8400

3. ✖ 84000

4. ✖ 8100

Question Number : 48 Question Id : 8798 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Four bells commence tolling together and toll at the intervals of 3, 9, 12, 15 seconds respectively. In 30 minutes time, how many times will they toll together?

Options :

1. ✖ 10

2. ✔ 11

3. ✖ 12

4. ✖ 21

Question Number : 49 Question Id : 8799 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Two containers contain 35 and 84 litres of water respectively. Find the maximum capacity of a container which can measure the water in each container an exact number of time (in litres).

Options :

1. ✖ 11

2. ✖ 5

3. ✔ 7

4. ✖ 12

Question Number : 50 Question Id : 8800 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Abdul is creating fruit baskets using 62 mangoes, 124 oranges and 31 apples. He wants each basket to be identical, with no fruits left over. What is the greatest number of baskets Abdul can create?

Options :

1. ✖ 12
2. ✖ 13
3. ✔ 31
4. ✖ 62

Question Number : 51 Question Id : 8801 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A started a business with Rs.32,000. After 4 months, B joins A in the same business by investing Rs.48,000. At the end of the year, in what ratio should they share their profits?

Options :

1. ✖ 5 : 6
2. ✔ 1 : 1
3. ✖ 3 : 2
4. ✖ 2 : 3

Question Number : 52 Question Id : 8802 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Two equal containers A and B are filled with a mixture of water and acid. The concentration of acid in each container is 25% and 35% respectively. What is the ratio of water in both the containers respectively?

Options :

1. ✖ 7 : 6
2. ✖ 13 : 15
3. ✔ 15 : 13
4. ✖ 11 : 12

Question Number : 53 Question Id : 8803 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Two numbers are less than the third number by 20% and 35%. By what percentage is the second number less than the first?

Options :

1. ✖ 8%
2. ✖ 18.5%
3. ✔ 18.75%
4. ✖ 11%

Question Number : 54 Question Id : 8804 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Due to an increase in 40% in the price of apples, 4 apples less are available for Rs 9.60. Find the present rate of apples per dozen.

Options :

1. ✖ Rs 5.72
2. ✔ Rs 6.72
3. ✖ Rs 7.62
4. ✖ Rs 7.52

Question Number : 55 Question Id : 8805 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If the area of a square field is 4096sq.m, then what is the length of its diagonal?

Options :

1. ☒ 90.5 m
2. ☐ 95 m
3. ☐ 89.5 m
4. ☐ 64 m

Question Number : 56 Question Id : 8806 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If the surface area of cube is 216sq.m, what is the length of its diagonal?

Options :

1. ☐ 18.25 m
2. ☒ 10.39 m
3. ☐ 13.56 m
4. ☐ 20.67 m

Question Number : 57 Question Id : 8807 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A boat can travel 2.1 km upstream in 7mins. If the ratio of the speed of the boat in still water to the speed of the stream is 7 : 1. How much time will the boat take to cover 17.6 km downstream?

Options :

1. ☐ 56 min
2. ☒ 44 min
3. ☐ 32 min
4. ☐ 48 min

Question Number : 58 Question Id : 8808 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A man can row at 5kmph in still water. If the velocity of the current is 1kmph and it takes him 1 hour to row to a place and come back. How far is that place?

Options :

1. ☐ 1.8 km
2. ☒ 2.4 km
3. ☐ 4.2 km
4. ☐ 4 km

Question Number : 59 Question Id : 8809 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If P can do $\frac{1}{3}$ rd of the work in 5 days and Q can do $\frac{1}{4}$ th of the same work in 6 days, then how much money will Q get if they are paid a total of Rs.780?

Options :

1. ☐ 200
2. ☐ 390
3. ☐ 480
4. ☒ 300

Question Number : 60 Question Id : 8810 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A total of 480 rupees is given to three people X, Y and Z. X and Y together can complete $\frac{7}{12}$ and Y and Z together can complete $\frac{5}{12}$. So, how much amount should be given to X?

Options :

1. ✗ 360
2. ✗ 230
3. ✓ 280
4. ✗ 240

Question Number : 61 Question Id : 8811 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

What will be the compound interest on a sum of Rs.50,000 after 3 years at the rate of 12 % p.a.?

Options :

1. ✗ Rs.10123.20
2. ✗ Rs.70246.40
3. ✓ Rs.20246.40
4. ✗ Rs.18000

Question Number : 62 Question Id : 8812 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

At what rate of compound interest per annum will a sum of Rs.1200 become Rs.1348.32 in 2 years?

Options :

1. ✓ 6%
2. ✗ 6.50%
3. ✗ 7%
4. ✗ 7.50%

Question Number : 63 Question Id : 8813 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A shopkeeper marks all his goods at 50% above the cost price and later offers a discount of 25% on that price. What is his actual profit on the sales?

Options :

1. ✗ 12%
2. ✗ 25%
3. ✗ 37.50%
4. ✓ 12.50%

Question Number : 64 Question Id : 8814 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A shopkeeper sells a badminton racket, whose market price is Rs.1000, at a discount of 15% and gives one shuttlecock costing Rs.50, free with each racket. Even then he makes a profit of 25%.

What is his cost price per racket?

Options :

1. ✗ Rs.800
2. ✗ Rs.600
3. ✓ Rs.640

4. ✖ Rs.750

Question Number : 65 Question Id : 8815 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Simplify the expression $(x^3 + 3y)(2x^3 + 3y)$.

Options :

- 1. ✖ $2x^6 + 9y^2$
- 2. ✖ $2x^9 + 9x^3y + 9y$
- 3. ✖ $20x^9y^2$
- 4. ✔ $2x^6 + 9x^3y + 9y^2$

Question Number : 66 Question Id : 8816 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If $3x + 2y = 10$ and $y = x - 1$, then what is the value of x ?

Options :

- 1. ✖ -6
- 2. ✖ -1.3333333333
- 3. ✔ 2.4
- 4. ✖ 2

Question Number : 67 Question Id : 8817 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The vertex angle of an isosceles triangle measures six times the measure of the base angle. Find the measure of the base angle.

Options :

- 1. ✖ 18°
- 2. ✖ 24°
- 3. ✔ 22.5°
- 4. ✖ 25.2°

Question Number : 68 Question Id : 8818 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following is equivalent to $(1 + \tan^2 2\theta)$?

Options :

- 1. ✖ $\sec 2\theta$
- 2. ✖ $\operatorname{cosec}^2 \theta$
- 3. ✖ $\operatorname{cosec}^2 2\theta$
- 4. ✔ $\sec^2 2\theta$

Question Number : 69 Question Id : 8819 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Find the mode, median and mean of the following list of values:

15, 17, 16, 7, 10, 12, 14, 16, 19, 12, 16.

Options :

- 1. ✔ 16, 15, 14