

Grade VIII
Mathematics
Home Work
(1st Week)

MATHEMATICS

MCQ

Unit No: I

Instructions: Students before attempting this MCQ, read the page number **5 to 6** of **unit I** from Get Ahead Mathematics Grade VIII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

1. The following statement shows the relation between the two sets and it can be rewritten in symbols as

“Y is not a proper subset of Z”

(1 Mark)

$Y = Z$ (A)

$Y \not\subset Z$ (B)

$Y \subset Z$ (C)

$Y \not\subset Z$ (D)

Or

Unit No: II

Instructions: Students before attempting this MCQ, read the page number **19** of **unit II** from Get Ahead Mathematics Grade VIII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

2. The given set contains rational and irrational numbers. Identify irrational number from the following.

$$\{2.1375 \dots, \sqrt{16}, \frac{1}{6}, 10.5\}$$

(1 Mark)

2.1375..

Ⓐ

$\frac{1}{6}$

Ⓑ

10.5

Ⓒ

$\sqrt{16}$

Ⓓ

CRQ

Unit No: I

Instructions: Students before attempting this CRQ, read the page number **7 to 8** of **unit I** from Get Ahead Mathematics Grade VIII OUP.

3. Find the number of subsets and the power set of $X = \{u, v, w\}$. Show proper working steps.

(4 Marks)

Solution.

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CRQ

Unit No: V

Instructions: Students before attempting this CRQ, read the page number **42 to 44** of **unit V** from Get Ahead Mathematics Grade VIII OUP.

6. Convert the given decimal number into base **8** system and show proper working steps.

$$1732_{10}$$

(4 Marks)

Solution.

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(3rd Week)

MCQ

Unit No: V

Instructions: Students before attempting this MCQ, read the page number **45 to 47** of **unit V** from Get Ahead Mathematics Grade VIII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

7. $1110_2 + 101_2 = \underline{\hspace{2cm}}$.

(1 Mark)

10101_2

Ⓐ

10011_2

Ⓑ

11000_2

Ⓒ

10000_2

Ⓓ

Or

Unit No: V

Instructions: Students before attempting this MCQ, read the page number **52 to 54** of **unit V** from Get Ahead Mathematics Grade VIII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

8. The product of 41_8 and 7_8 would be equal to

(1 Mark)

213_8

Ⓐ

277_8

Ⓑ

305_8

Ⓒ

347_8

Ⓓ

CRQ

Unit No: VI

Instructions: Students before attempting this CRQ, read the page number **55 to 56** of **unit VI** from Get Ahead Mathematics Grade VIII OUP.

9. If 3 Masons built a wall of 10 metres high in 2 days. How many days will be required for building the wall of 20 metres high with 4 masons? Show proper working steps.



(4 Marks)

Solution.

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(4th Week)

MCQ

Unit No: VI

Instructions: Students before attempting this MCQ, read the page number **57** of **unit VI** from Get Ahead Mathematics Grade VIII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

10. Three friends **A**, **B**, and **C** invested Rs **2,000**, Rs **5,000**, and Rs **6,000** respectively in business, and after a month they have gotten a profit of Rs **2,600**. So, the share of **C** in the profit would be

(1 Mark)

Rs 1,165

Ⓐ

Rs 1,200

Ⓑ

Rs 1,285

Ⓒ

Rs 1,330

Ⓓ

Or

Unit No: VI

Instructions: Students before attempting this MCQ, read the page number **58** of **unit VI** from Get Ahead Mathematics Grade VIII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

- 11.** A man left property of worth
Rs **3,200,000** for his wife and a son.
The amount of share of his wife in
the property would be

Hint: (Wife's share = $\frac{1}{8}$)

(1 Mark)

- | | |
|------------|---|
| Rs 345,000 | Ⓐ |
| Rs 380,000 | Ⓑ |
| Rs 400,000 | Ⓒ |
| Rs 435,000 | Ⓓ |

CRQ

Unit No: VII

Instructions: Students before attempting this CRQ, read the page number **61** to **63** of **unit VII** from Get Ahead Mathematics Grade VIII OUP.

- 12.** Calculate the markup on buying a computer from a bank worth Rs **25,000** at **10%** markup rate for **3** years. Show proper working steps.

(4 Marks)

Solution.