# Grade VII Mathematics Home Work (1ˢᵗ Week)

# MATHEMATICS

## MCQ

**Unit No: I**

**Instructions:** Students before attempting this MCQ, read the page number **1** to **2** of **unit I** from Get Ahead Mathematics Grade VII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

**1.** The given set can be written in **set builder** form as

**(1 Mark)**

$$X = \{1, 3, 5, 7, 9\}$$

X = {x|x is an odd number x ≤ 9}    Ⓐ

X = {x|x is an even number x > 2}    Ⓑ

X = {x|x is a whole number x < 1}    Ⓒ

X = {x|x is a natural number x ≤ 7}    Ⓓ

**Or**

**Instructions:** Students before attempting this MCQ, read the page number **4** to **5** of **unit I** from Get Ahead Mathematics Grade VII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

**2.** If $A = \{2, 4, 6\}$ and $B = \{4, 5, 7\}$, then $A \cap B =$ _____.

{2}    Ⓐ

{4}    Ⓑ

{5}    Ⓒ

{7}    Ⓓ

# CRQ

**Unit No: I**

**Instructions:** Students before attempting this CRQ, read the page number **4 to 5** of **unit I** from Get Ahead Mathematics Grade VII OUP.

3. If $X = \{a, b, c\}$ and $Y = \{b, c, e\}$,
   then find $X - Y$ and $Y - X$. Show
   proper working steps.

## (4 Marks)

**Solution.**

# Grade VII Mathematics Home Work (2$^{nd}$ Week)

**MCQ**

**Unit No: II**

**Instructions:** Students before attempting this MCQ, read the page number **20 to 22** of **unit II** from Get Ahead Mathematics Grade VII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

**4.** The additive inverse of $\frac{3}{4}$ in the following is

| (1 Mark) |
|---|

$-\dfrac{2}{7}$     Ⓐ

$-\dfrac{2}{5}$     Ⓑ

$-\dfrac{1}{2}$     Ⓒ

$-\dfrac{3}{4}$     Ⓓ

**Or**

**Unit No: III**

**Instructions:** Students before attempting this MCQ, read the page number **30 to 31** of **unit III** from Get Ahead Mathematics Grade VII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

**5.** Identify the decimal fraction **3.5** into common fraction and shade the correct answer from the following.

| (1 Mark) |
|---|

$\dfrac{2}{5}$     Ⓐ

$\dfrac{1}{2}$     Ⓑ

$\dfrac{7}{2}$     Ⓒ

$\dfrac{1}{4}$     Ⓓ

## CRQ

**Unit No: II**

**Instructions:** Students before attempting this CRQ, read the page number **16 to 17** of **unit II** from Get Ahead Mathematics Grade VII OUP.

**6.** Compare the given rational numbers
and show proper working steps.

**(4 Marks)**

$$\frac{3}{5} \text{ and } \frac{1}{4}$$

**Solution.**

# Grade VII Mathematics Home Work (3ʳᵈ Week)

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**MCQ**

</div>

**Unit No: III**
**Instructions:** Students before attempting this MCQ, read the page number **32** of **unit III** from Get Ahead Mathematics Grade VII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

**7.** Identify the terminating decimal from the following.

<div align="center">

**(1 Mark)**

</div>

| | |
|---|---|
| 0.555 ... | Ⓐ |
| 0.444 ... | Ⓑ |
| 1.3125 ... | Ⓒ |
| 0.21258 | Ⓓ |

<div align="center">

**Or**

</div>

Unit No: IV
**Instructions:** Students before attempting this MCQ, read the page number **36** of **unit IV** from Get Ahead Mathematics Grade VII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

**8.** When the bases are same but exponents are different, then the **product law of exponents** will be

<div align="center">

**(1 Mark)**

</div>

| | |
|---|---|
| $a^m \times a^n = a^{m/n}$ | Ⓐ |
| $a^m \times a^n = (a^m)^n$ | Ⓑ |
| $a^m \times a^n = a^{m-n}$ | Ⓒ |
| $a^m \times a^n = a^{m+n}$ | Ⓓ |

# CRQ

**Unit No: VI**

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

9. **14** labours build a house in **10 days**. How many days will be required to build the same house with **20 labours**? Show proper working steps.

**(4 Marks)**



**Solution.**

# Grade VII Mathematics Home Work (4ᵗʰ Week)

## MCQ

**Unit No: V**
**Instructions:** Students before attempting this MCQ, read the page number **41** to **42** of **unit V** from Get Ahead Mathematics Grade VII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

**10.** $\sqrt{81} = $ _____.

| **(1 Mark)** |
|---|

3                                      Ⓐ

5                                      Ⓑ

6                                      Ⓒ

9                                      Ⓓ

**Or**

**Unit No: VII**
**Instructions:** Students before attempting this MCQ, read the page number **60** of **unit VII** from Get Ahead Mathematics Grade VII OUP. Read carefully the given MCQ and shade the correct answer with help of a pencil.

**11.** The annual rent of a shop is Rs **120,000**. The owner of this shop would have to pay the **property tax** at the rate of **17%** is



| (1 Mark) |
|---|

Rs 15,500                          Ⓐ

Rs 18,775                          Ⓑ

Rs 20,400                          Ⓒ

Rs 25,000                          Ⓓ

# CRQ

**Unit No: VII**

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

**12.** The actual price of a bicycle was Rs **12,500**. It was sold out with **15%** profit. Find the selling price of bicycle. Show proper working steps.

**(4 Marks)**



**Solution.**