



Name

Gr./ 6A

Subject/ Math

Revision sheet**Q.1) Find the value.**For example, $3^2 = 3 \times 3 = 9$

1. 4^2

3. 3^3

2. 2^8

4. 5^4

Q.2) Use exponents to rewrite the expression.

Exponent

Base $\longrightarrow 2^3 = 2 \times 2 \times 2$

5. $8 \times 8 \times 8$

7. $6 \times 6 \times 6 \times 6 \times 6$

6. $7 \times 7 \times 7 \times 7$

8. $5 \times 5 \times 5$

Q.3) Evaluate the expressions

1) $(5^3 - 4) \div 11 = \underline{\hspace{2cm}}$

2) $(67 - 18) \div 7 \times 3 = \underline{\hspace{2cm}}$

3) $10^2 - 3^2 \times 6 - 3 \times 2 = \underline{\hspace{2cm}}$

4) $(10^2 - 3^2) \times 6 - 3 \times 2 =$ _____

5) $10^2 - 3^2 \times (6 - 3) \times 2 =$ _____

6) $10 \times (5 + 3 + 7) - (6 + 2)^2 =$ _____

7) $5^3 - (13 + 5 - 12)^2 \div 3 =$ _____

8) $12 + 6^3 - (15 - 6)^2 + 2 =$ _____

9) $(12 - 8)^2 + (7 \times 8 - 4) \div (6 - 2) =$ _____

10) $11^2 - (7 + 5 - 9)^2 + 12 - (33 + 2) =$ _____

Q.4) Write the algebraic expression.

1. Eleven decreased by k _____

2. p increased by 9 _____

3. Sixteen multiplied by a number h _____

4. f less than twelve _____

5. Sixteen less than m _____

6. 8 divided by e _____

7. The product of 6 and c _____

8. Eighty-five less than x _____

- 9. Two more than m _____
- 10. Three-fourths of f _____
- 11. y diminished by 9 _____
- 12. The sum of 5 and k _____
- 13. g less than 8 _____
- 14. The quotient of b and 3 _____

Q.5)

Evaluate each expression when: $x = 5$

1) $\frac{50}{x} =$

2) $\frac{x}{5} =$

3) $2(10x) =$

4) $10(2x) =$

5) $\frac{x}{5} + 4 =$

6) $\frac{x}{1} + 3 =$

7) $\frac{10}{x} =$

8) $8 + 10x =$

9) $\frac{35}{x} =$

10) $6x - 2 =$

Q.6) **Use properties of operations to write an equivalent expression by combining like terms.**

1) $x + x + x + x + 1 + 2$

.....

2) $2(4x - 2)$

.....

3) $3(3v + 2v) + 3$

.....
4) $5a + 2 + 2 - a$

.....
5) $7(2m)$

.....
6) $2c + 2 + 1 + 3c$
.....

Q.7) Determine whether the given value of the variable is a solution of the equation.

1) $x - 7 = 15$, $x = 8$
.....

2) $5x - 6 = 24$, $x = 6$
.....

3) $\frac{x}{2} + 3 = 10$, $x = 7$
.....

4) $x + 6 = 30$, $x = 5$
.....

5) $4x + 10 = 50$, $x = 10$
.....

6) $\frac{x - 10}{2} = 5$, $x = 20$
.....