



Name -----

Gr./ 6A

Subject/ Math

Revision sheet
Model Answer**Q.1) Find the value.**

1. $4 \times 4 = 16$

2. $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 = 256$

3. $3 \times 3 \times 3 = 27$

4. $5 \times 5 \times 5 \times 5 = 625$

Q.2) Use exponents to rewrite the expression.

5. 8^3

6. 7^4

7. 6^5

8. 5^3

Q.3) Evaluate the expressions

1) $(5^3 - 4) \div 11 = 11$

2) $(67 - 18) \div 7 \times 3 = 21$

3) $10^2 - 3^2 \times 6 - 3 \times 2 = 40$

4) $(10^2 - 3^2) \times 6 - 3 \times 2 = 540$

$$5) \quad 10^2 - 3^2 \times (6 - 3) \times 2 = 46$$

$$6) \quad 10 \times (5 + 3 + 7) - (6 + 2)^2 = 86$$

$$7) \quad 5^3 - (13 + 5 - 12)^2 \div 3 = 113$$

$$8) \quad 12 + 6^3 - (15 - 6)^2 + 2 = 149$$

$$9) \quad (12 - 8)^2 + (7 \times 8 - 4) \div (6 - 2) = 29$$

$$10) \quad 11^2 - (7 + 5 - 9)^2 + 12 - (33 + 2) = 89$$

Q.4) Write the algebraic expression.

- | | |
|-------------------------------------|----------------|
| 1. Eleven decreased by k | <u>11 - k</u> |
| 2. p increased by 9 | <u>p + 9</u> |
| 3. Sixteen multiplied by a number h | <u>16h</u> |
| 4. f less than twelve | <u>12 - f</u> |
| 5. Sixteen less than m | <u>m - 16</u> |
| 6. 8 divided by e | $\frac{8}{e}$ |
| 7. The product of 6 and c | <u>6c</u> |
| 8. Eighty-five less than x | <u>x - 85</u> |
| 9. Two more than m | <u>m + 2</u> |
| 10. Three-fourths of f | $\frac{3}{4}f$ |
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11. y diminished by 9

$$\underline{y - 9}$$

12. The sum of 5 and k

$$\underline{5 + k}$$

13. g less than 8

$$\underline{8 - g}$$

14. The quotient of b and 3

$$\frac{b}{3}$$

Q.5)

Evaluate each expression when: $x = 5$

1) $\frac{50}{x} = 10$

2) $\frac{x}{5} = 1$

3) $2(10x) = 100$

4) $10(2x) = 100$

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

6) $\frac{x}{1} + 3 = 8$

7) $\frac{10}{x} = 2$

8) $8 + 10x = 58$

9) $\frac{35}{x} = 7$

10) $6x - 2 = 28$

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

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

$4x + 3$

2) $2(4x - 2)$

$8x - 4$

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

$15v + 3$

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

$4a + 4$

5) $7(2m)$

$14m$

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

$5c + 3$

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

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

Not solution

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

Solution

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

Not solution

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

Not solution

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

Solution

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

Solution

