

MCQ'S Work Sheet-II
CLASS VIII: CHAPTER - 14
FACTORISATION

- Q1:** Find the incorrect mathematical statement.
(a) $4(x - 5) = 4x - 20$ (b) $3x + 2x = 5x^2$
(c) $x(3x + 2) = 3x^2 + 2x$ (d) $2x + 3x = 5x$
- Q2:** Factors of $p^2 + 6p + 8$ are
(a) $(p + 2)(p - 4)$ (b) $(p - 2)(p - 4)$
(c) $(p + 2)(p + 4)$ (d) $(p - 2)(p + 4)$
- Q3:** Factors of $a^2 + 8a + 16$ are:
(a) $(a + 4)(a - 4)$ (b) $(a + 4)(a + 4)$
(c) $(a + 4)(4 - a)$ (d) $(a - 4)(a - 4)$
- Q4:** Factors of $2x + 4$ is
(a) $2(x - 4)$ (b) $2(x + 4)$ (c) $2(x - 2)$ (d) $2(x + 2)$
- Q5:** Factors of $5xy + 10x$ is
(a) $5x(y + 2)$ (b) $5y(x + 2)$ (c) $5x(y - 2)$ (d) none of these
- Q6:** Factors of $12a^2b + 15ab^2$ is
(a) $3ab(4a + 5b)$ (b) $3ab(4a + 15b)$
(c) $ab(12a + 15b)$ (d) none of these
- Q7:** Factors of $10x^2 - 18x^3 + 14x^4$ is
(a) $2x^2(7x^2 - 9x + 5)$ (b) $x^2(14x^2 - 18x + 10)$
(c) $2x(7x^3 - 9x^2 + 5x)$ (d) none of these
- Q8:** Factors of $12x + 36$ is
(a) $2(6x + 18)$ (b) $4(3x + 9)$ (c) $12(x + 3)$ (d) none of these
- Q9:** Factors of $22y - 33z$ is
(a) $22y - 33z$ (b) $11(y - 3z)$ (c) $11(y - z)$ (d) none of these
- Q10:** Factors of $14pq + 35pqr$ is
(a) $pq(14 + 35r)$ (b) $7pq(2 + 5r)$ (c) $7pq(14 + 5r)$ (d) none of these

Q11: Factors of $2xy + 2y + 3x + 3$ is

(a) $(x + 1)(2y + 1)$

(b) $(x + 1)(2y + 3)$

(c) $(x + 3)(2y + 1)$

(d) none of these

Q12: Factors of $6xy - 4y + 6 - 9x$ is

(a) $(3x - 2)(2y + 3)$

(b) $(3x - 2)(2y - 3)$

(c) $(3x + 2)(2y - 3)$

(d) None of above

Q13: Factors of $7a^2 + 14a$ is

(a) $a(7a + 14)$

(b) $7a(a + 14)$

(c) $7a(a + 2)$

(d) None of these

Q14: Factors of $5x^2y - 15xy^2$ is

(a) $xy(5x - 15y)$

(b) $5xy(x - 3y)$

(c) $5xy(x - 5y)$

(d) None of these