

St. Andrews Scots Sr. Sec. School
9th Avenue, I.P. Extension, Patparganj, Delhi – 110092
Session: 2025-26-Worksheet

Class - VIII	Subject : Mathematics	Topic : Factorisation	Worksheet 12
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Choose the correct option :

Q1.The factorisation of $12a^2b+15ab^2$ gives:

- A. $3ab(4ab+5)$
- B. $3ab(4a+5b)$
- C. $3a(4a+5b)$
- D. $3b(4a + 5b)$

Q2.The factorisation of $12x+36$ is

- A. $12(x+3)$
- B. $12(3x)$
- C. $12(3x+1)$
- D. $x(12+36x)$

Q3.On factorising $14pq + 35pqr$, we get:

- A. $pq(14+35r)$
- B. $p(14q+35qr)$
- C. $q(14p+35pr)$
- D. $7pq(2+5r)$

Q4.The factors of $6xy - 4y + 6 - 9x$ are:

- A. $(3x + 2)(2y + 3)$

B. $(3x - 2)(2y - 3)$

C. $(3x - 2)(2y + 3)$

D. $(3x + 2)(2y - 3)$

Q5.The factors of $x^2+xy+8x+8y$ are:

A. $(x+y)(x+8)$

B. $(2x+y)(x+8)$

C. $(x+2y)(x+8)$

D. $(x+y)(2x+8)$

Q6.The factors of xyz are:

A. x

B. y

C. z

D. All of the above

Q7.The factorisation of $8x + 4y$ is:

A. $8(x+4y)$

B. $4(2x+4y)$

C. $8(x+y)$

D. $4(2x+y)$

Q8.The factorisation of $5x - 20$ is:

A. $5(x-5)$

B. $5(x-4)$

C. $5(x-3)$

D. $5(x-20)$

Q9.The common factor of $24a^3b^4$, $36a^4c^4$ and $48a^3b^2c$ is:

A. $12a^3$

B. $24a^3$

C. $36a^3$

D. $48a^3$

Q10.The factors of $3m^2 + 9m + 6$ are:

A. $(m + 1)(m + 2)$

B. $3(m + 1)(m + 2)$

C. $6(m + 1)(m + 2)$

D. $9(m + 1)(m + 2)$