

89. Factorising Expressions with a Single Bracket

Practice Questions

1. Factorise $4x + 8$.
2. Factorise $6a + 9b$.
3. Factorise $10y + 5$.
4. Factorise $12m - 6n$.
5. Factorise $8p + 4q$.
6. Factorise $15x - 20$.
7. Factorise $9a + 3b$.
8. Factorise $14c + 7d$.
9. Factorise $5x - 10y$.
10. Factorise $16w + 24v$.

Scenario Questions

1. A farmer has $4x$ cows and 8 sheep. Factorise the total number of animals.
2. A school has $6a$ students in one class and $9b$ in another. Factorise the total number of students.
3. A shop sells $10y$ apples and 5 oranges. Factorise the total number of fruits sold.
4. A garden is divided into $12m$ flowerbeds and $6n$ vegetable beds. Factorise the total number of beds.
5. A worker is paid $8p$ for one task and $4q$ for another. Factorise the total earnings.
6. A builder lays $15x$ bricks in one wall and 20 bricks in another. Factorise the total number of bricks.
7. A farmer grows $9a$ carrots and $3b$ potatoes. Factorise the total number of crops.
8. A theatre sells $14c$ balcony tickets and $7d$ ground tickets. Factorise the total number of tickets sold.
9. A factory produces $5x$ small gadgets and $10y$ large gadgets. Factorise the total number of gadgets.
10. A warehouse has $16w$ boxes of one type and $24v$ boxes of another. Factorise the total number of boxes.

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Practice Questions

1. $4(x + 2)$
2. $3(2a + 3b)$
3. $5(2y + 1)$
4. $6(2m - n)$
5. $4(2p + q)$
6. $5(3x - 4)$
7. $3(3a + b)$
8. $7(2c + d)$
9. $5(x - 2y)$
10. $8(2w + 3v)$

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5. $4(2p + q)$
6. $5(3x + 4)$
7. $3(3a + b)$
8. $7(2c + d)$
9. $5(x + 2y)$
10. $8(2w + 3v)$