



Algebraic Functions - Remove Different Variable From Bracketed Terms (find GCF)

1 What is the greatest common factor of these terms?

$$35yp + 21y$$

- | | | | |
|-------|-----|-------|------|
| A | B | C | D |
| $35p$ | y | $35y$ | $7y$ |

2 What is the greatest common factor of these terms?

$$30tw - 12t$$

- | | | | | |
|------|-------|------|-----|-----|
| A | B | C | D | E |
| $6t$ | $30t$ | $6w$ | t | 6 |

3 What is the greatest common factor of these terms?

$$35tq - 21t$$

- | | | | | |
|------|-------|-----|-----|------|
| A | B | C | D | E |
| $7q$ | $35t$ | 7 | t | $7t$ |

4 What is the greatest common factor of these terms?

$$35pz - 15p$$

- | | | | | |
|-----|------|-------|-----|------|
| A | B | C | D | E |
| p | $5p$ | $35p$ | 5 | $5z$ |

5 What is the greatest common factor of these terms?

$$6mn - 10m$$

- | | | | | |
|------|------|-----|------|-----|
| A | B | C | D | E |
| $2m$ | $6m$ | m | $2n$ | 2 |

6 What is the greatest common factor of these terms?

$$8xw - 28x$$

- | | | | | |
|-----|------|------|-----|------|
| A | B | C | D | E |
| x | $4x$ | $4w$ | 4 | $8x$ |

7 What is the greatest common factor of these terms?

$$6rw - 14r$$

- | | | | | |
|------|-----|-----|------|------|
| A | B | C | D | E |
| $6r$ | 2 | r | $2r$ | $2w$ |

8 What is the greatest common factor of these terms?

$$24qr - 40q$$

- | | | | | |
|------|-------|-----|-----|------|
| A | B | C | D | E |
| $8r$ | $24q$ | 8 | q | $8q$ |