Answers: Factorization

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Summary

Answers to questions relating to the guide on factorization.

*These are the answers to* [*Questions: Factorization*](../questions/qs-factorization.qmd)*.*

**Please attempt the questions before reading these answers!**

## Q1

Note that you can rearrange the factorized brackets — the answer stays the same because the order of multiplication doesn’t matter.

1.1. .

1.2. .

1.3. .

1.4. .

1.5. .

1.6. .

1.7. .

1.8. .

1.9. .

1.10. .

1.11. .

1.12. .

1.13. .

1.14. .

## Q2

Note that you can rearrange the factorized brackets — the answer stays the same because the order of multiplication doesn’t matter.

2.1. .

2.2. .

2.3. .

2.4. .

2.5. .

2.6. .

2.7. .

2.8. .

2.9. or .

2.10. .

2.11. .

## Q3

3.1. You worked out in 1.1 that . Solving for gives .

3.2. You worked out in 1.11 that . Solving for gives and .

3.3. You worked out in 2.3 that . Solving for gives and .

3.4. You worked out in 2.7 that . Solving for gives and .

3.5. You worked out in 2.8 that . Solving for gives and .

## Version history and licensing

v1.0: initial version created 04/25 by Millie Pike, as part of a University of St Andrews VIP project.

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