Questions: Laws of indices

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A selection of questions for the study guide on laws of indices.

*Before attempting these questions, it is highly recommended that you read* [*Guide: Laws of indices*](../studyguides/lawsofindices.qmd)*.*

## Q1

Express each of the following as a single real number.

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.

1.15.

1.16.

1.17.

1.18.

1.19.

1.20.

1.21.

1.22.

## Q2

Evaluate the following expressions, writing your answer in the simplest possible form.

2.1.

2.2.

2.3.

2.4.

2.5.

2.6.

2.7.

2.8.

2.9.

2.10.

2.11.

2.12.

2.13.

2.14.

2.15.

2.16.

2.17.

2.18.

[After attempting the questions above, please click this link to find the answers.](../answers/as-lawsofindices.qmd).

## Version history and licensing

v1.0: initial version created 08/23 by Isabella Lewis, Akshat Srivastava as part of a University of St Andrews STEP project.

* v1.1: edited 05/24 by tdhc.

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