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(Learning Time 3 Hours 20 minutes)

## **Indices**

## 10.1 Indices

- Recall what you have learnt in Grade 6 & 7 about indices.
- $2 \times 2 \times 2 = 2^3$  this is an index notation from of a product.
- Let's identify power, base and index



• Study the page no: 112 and do the review exercise.

10.2 Expressing a power of a product as a product of powers.

- $(a \times b)^n = a^n \times b^n$
- Study the page no: 113 and 114. Do the exercise 10.1

10.3 The power of a negative integer.

- Do the activity 1 in page no: 115, using the knowledge of multiplication of integers.
- The value of any power of a positive integer is positive.
- The value of an odd power of a negative integer is negative.
- The value of an even power of a negative integer is positive.
- Study the page no: 116 and do the exercise 10.2