

# Year 7 Maths

## Topic 1 Number & Rounding



Students are learning about Number & Rounding at this point in Year 7 because Number underpins every topic in Maths. It also gives teachers a chance to see what knowledge students are bringing from primary school.

Previous topic: N/A

Next topic: Introduction to Algebra

Next 'Number' Topic: Factors and Multiples

### Core knowledge/skills/concepts

- Number bonds
- Times Tables
- Multiplying and dividing by 10, 100, 1000
- Place value, ordering decimals
- Introduction to bar method
- Four operations with 2 & 3 digit numbers
- Square numbers, Square roots, Cube numbers, Cube roots
- BIDMAS
- Mental Maths
- Rounding to nearest integer, 10, 100, 1000
- Rounding to a given number of decimal places

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## Topic 1 Number & Rounding



### Essential vocabulary

approximate  
approximately equal to  
commutative  
compare  
cube number  
decimal place  
digit  
negative  
order of operations  
round  
significant figures  
square number

### Threshold concepts

- Number bonds
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- Four operations with 2 & 3 digit numbers
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### Opportunities for reading

Worded questions

### How and when will the core learning be assessed?

Mid-topic Assessment, End of Topic Assessment, Assessment 2 (January) and Assessment 3 (May)

### Links to other topics/subjects

Number links to all parts of Maths.  
Squares and Cubes will be used again in topic 4 (Factors and Multiples)  
Mental Maths will be used in Topic 5 (Fractions)  
Multiplying and Dividing by 10, 100, 1000 will be used in Topic 8 (percentages).  
Number Topics in Year 8 include: Indices; Fractions, Decimals and Percentages.