

Numbers round and word scramble for IB Maths

IB Math Revision · IB Maths SL and HL (AA and AI) · Student sheet

Name _____

Class _____

Date _____

No GDC: that's the point.

Starter (5 minutes)

1. Work out 75×4 .
2. Work out $100 - 37$.
3. Work out 8×25 .
4. Work out $450 \div 9$.

Main activity (35 minutes)

Task A: Numbers rounds

Use some or all of the six numbers, each at most once, with $+$, $-$, $\times$ and $\div$ to make the target. Every step must give a positive whole number. Other ways are possible.

- a. Numbers: 100, 75, 6, 3, 8, 2. Target: 512.
- b. Numbers: 50, 25, 4, 7, 9, 1. Target: 331.
- c. Numbers: 75, 10, 5, 6, 2, 3. Target: 861.
- d. Numbers: 25, 8, 9, 3, 4, 1. Target: 247.

Task B: Word scramble

Unscramble each set of nine letters to find a maths word.

a. Unscramble: **HTIGRALMO**

b. Unscramble: **PONTEXENS**

c. Unscramble: **QUESCEENES**

d. Unscramble: **DRUQATICA**

Task C: Small numbers, many targets

Use 1, 2, 3 and 4, each at most once, with $+$, $-$, $\times$, $\div$ and brackets.

a. Make 10.

b. Make 24.

c. Make 25.

Extension

1. Using 1, 2, 3 and 4 (each at most once) with $+$, $-$, $\times$ and $\div$, find the smallest whole number that cannot be made, and the largest number that can.