

Square and cubic numbers

This task is about recognising square and cubic numbers without using a calculator.



A square number is an integer that can be written as the square of some other integer. So 4 is a square number because $2 \times 2 = 2^2 = 4$.

A cubic number is an integer that can be written as the cube of some other integer. So 1000 is a cubic number because $10 \times 10 \times 10 = 10^3 = 1000$.

(Second fold along this line)

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a) Circle all the square numbers in this list:

2	8	9	12	16	20	25
30	33	39	44	49	50	60
64	84	100	111	121	125	200

(First fold along this line)

b) Circle all the cubic numbers in this list:

3	6	8	12	16	18	25
27	32	36	48	64	75	81
90	100	111	121	125	144	200