

MATHS HOMEWORK

Grade 4 – How The World Works Column Method Multiplication



Learning Target:

I can use the column method to multiply a 3- or 4-digit number by a 1-digit number.

Column Method Steps:

- 1 Multiply the ones.
- 2 Multiply the tens.
- 3 Multiply the hundreds/thousands.
- 4 Regroup when needed.

Example:

	1	1		
	1	2	4	5
×				4
	4	9	8	0

1 Solar Energy Station

A solar station stores 1,245 units of energy each day.

How much energy does it store in 4 days?

Use the column method to find the answer.

	1	2	4	5
×				4



2 Jax's Ship Power Core

The ship uses 2,136 energy cells for each journey.

How many energy cells are needed for 3 journeys?

Use the column method to find the answer.

	2	1	3	6
×				3



3 Wind Turbines

One wind turbine produces 3,425 watts of power.

A research station has 5 turbines. How much power do they produce altogether?

Use the column method to find the answer.

	3	4	2	5
×				5



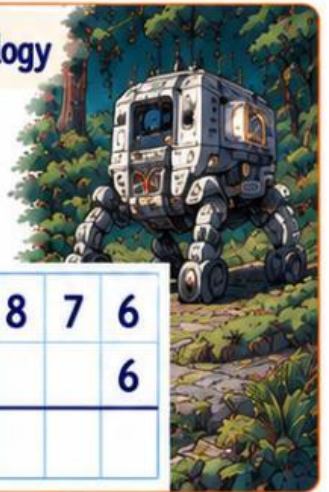
4 Conservation Technology

A conservation robot collects 1,876 samples each day.

How many samples will it collect in 6 days?

Use the column method to find the answer.

	1	8	7	6
×				6



5 Future Technology

A new energy machine creates 2,458 units of clean energy every hour.

How much energy will it create in 7 hours?

Use the column method to find the answer.

	2	4	5	8
×				7



6 Design Thinking Challenge

A scientist builds 4 machines. Each machine contains 3,275 energy parts.

How many energy parts are needed altogether?

Use the column method to find the answer.

	3	2	7	5
×				4

