

Multiplication puzzle

Harry arranged the numbers 1, 2, 3 and 4 in four empty boxes.

1	3
4	2

Then he found the products* of both rows and of both columns.

1	3	→ 3
4	2	→ 8
↓ 4	↓ 6	

He did the same here, with the numbers 1, 3, 5 and 8. But he has rubbed out the numbers in the boxes.

Can you put the numbers back?

		→ 8
		→ 15
↓ 5	↓ 24	

Harry's friend Sameena did the same thing with these boxes. But she wouldn't tell Harry what numbers she had put in the boxes.

Can you work out what they were?

		→ 9
		→ 14
↓ 2	↓ 63	

Then they worked together on a larger puzzle. This time they used six numbers.

Can you work out what the numbers were?

2		→ 10
4		→ 24
3		→ 3
↓ 24	↓ 30	

And here?

		→ 5
		→ 14
		→ 32
↓ 28	↓ 80	

Now make up a puzzle like this for a friend to tackle.

* The product is what you get when you multiply two numbers together. The product of 4 and 2 is 8.