

The 2, 4 and 8 times-tables

Reasoning and problem solving

Is the statement true or false?

All multiples of 4 are
multiples of 2 and 8

Explain your answer.

False

A shop sells toy boats, cars
and trains.



Whitney spends exactly £24 in the shop.

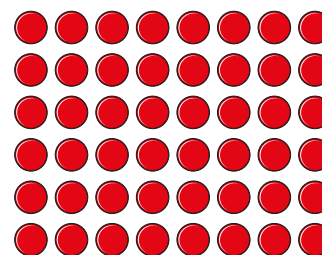
What could Whitney have bought?

Is there more than one answer?

multiple possible
answers, e.g.

- 3 boats
- 2 boats and 2 trains
- 12 cars
- 5 trains and 2 cars

Here is an array.



Teddy

I can see
 8×6



Whitney

I can see
 6×8



Dexter

I can see 2
lots of 6×4

Use counters to make the array.

What else can you see?

multiple possible
answers, e.g.

- 2 lots of 24
- 24 lots of 2
- 4 lots of 12
- 4 lots of 2×6