

Weekly Question (16 Nov)

Lionel had 8000 red, green and blue marbles at first.

30% of them were red. 35% of the remainder were green.

He gave away $\frac{1}{4}$ of the red marbles and $\frac{2}{5}$ of the green marbles.

How many marbles were left?

Solution:

	<u>Red</u>	<u>Green</u>	<u>Blue</u>	<u>Total</u>
	0.3×8000	35% of remainder $0.35 \times (8000 - 2400)$ 0.35×5600	$5600 - 1960$	
Before	= 2400	= 1960	= 3640	8000
Gave away	$\frac{1}{4} \times 2400$	$\frac{2}{5} \times 1960$		
After	$\frac{3}{4} \times 2400$	$\frac{3}{5} \times 1960$		
	= 1800	= 1176	3640	<u>6616</u>

There were **6616** marbles left.