

Word problems – volume

Answer sheet

1. Tom has a set of 10 toy bricks. Each brick measures 5cm long, 3cm wide and 2cm high. What is the volume of Tom's bricks if they are stacked together?	300cm ³
2. Abby's book measures 20cm high, 10cm wide and 2.5cm thick. She collects 3 similar books and puts them on top of each other. What is the total volume of the set of books?	1500cm ³
3. Aiden has 4 pairs of trainers in shoeboxes. All four shoeboxes have a total volume of 16 000cm ³ . What is the volume of each shoebox?	4 000cm ³
4. Sophia's old cupboard measured 1m high, 50cm wide and 50cm deep. Now she has a new cupboard with the same height and depth but which is 0.5m wider. What is the difference in the volumes of the 2 cupboards?	250 000 cm ³ or 0.25m ³
5. Jacob's birthday cake measures 25cm long, 30cm wide and 10cm deep. How many equal pieces can his mum cut, if each piece has a volume of 375cm ³ ?	20
6. Mr Lee's new suitcase is 1m long, 0.75m wide and 30cm deep. The volume is twice as big as the volume of his old suitcase. What was the volume of his old suitcase?	112 500 cm ³