

Challenging Practice

- 1 A tin was $\frac{1}{3}$ filled with oil. When 325 ml of oil was poured in, the tin became half full. Find the capacity of the tin in litres.

- 2 Three parcels, A, B and C, have a total mass of 1.53 kg. Parcel A has a mass of 650 g. Parcel B is 3 times as heavy as Parcel C. What is the mass of Parcel B in kilograms?

Problem Solving

- 1 Ruby made 5.7ℓ of lemonade for the school fair. Tai made 1.2ℓ less lemonade than Ruby. At the end of the fair, Tai had sold $\frac{2}{3}$ of his lemonade. Ruby sold some lemonade too. Tai then had 3 times as much lemonade as Ruby had left. How much lemonade did Ruby sell? Give your answer in litres.

- 2 John was training for a marathon. On the first day of training, he ran 800 m. On every training session after that, he ran a distance of 0.1 km more than the session before. How far was he running on the ninth training session? Give your answer in metres.