

Resource sheet 4.2

- 1 TV cable weighs 0.04 kg per metre. How much does 24 m weigh?
- 2 One metre of a balsa wood plank weighs 0.6 kg. How much does 4 m of the same balsa wood plank weigh?
- 3 A magazine is 0.3 cm thick. How thick would a pile of 35 magazines be?
- 4 A US nickel (\$0.05) weighs 0.005 kg. How much does a dollar's worth of nickels weigh?
- 5 A car is made from 0.6 tonnes of steel. A production line makes an average of 42 cars per hour. How much steel is used per hour?
- 6 A US dime measures 0.7 inches across. How long would the line be when 15 dimes are put in a row?
- 7 A machine cuts 45 cellophane wrappers for sweets each second. Each wrapper is 0.09 m long. What length of cellophane is cut into wrappers every second?
- 8 One metre of an aluminium rod weighs 1.32 kg. How much does 0.07 m of the same aluminium rod weigh?
- 9 One metre of an oak wood plank weighs 2.9 kg. How much does 0.3 m of the same oak wood plank weigh?
- 10 One metre of a steel beam weighs 9.56 kg. How much does 0.02 m of the same steel beam weigh?
- 11 A TV cable weighs 0.036 kg per metre. How much does 0.4 m of the same cable weigh?
- 12 One metre of a balsa wood plank weighs 0.6 kg. How much does 2.75 m of the same balsa wood plank weigh?
- 13 Gold is weighed in a special measurement called 'troy ounces'. $1 \text{ kg} = 32.15 \text{ troy ounces}$. How many troy ounces make 0.2 kg?
- 14 Helium weighs almost 0.2 kilograms per cubic metre. A large balloon, called a blimp, contains 15.6 cubic metres of helium. How much does the helium in the blimp weigh?
- 15 Hydrogen gas weighs about 0.09 grams per litre. A gallon is equivalent to 4.55 litres. How much does a gallon of hydrogen weigh?