

Sheet 30 RATIO AND PROPORTION

Use the back of the sheet for any working out.

- 1** Sharon drives 3 miles to every 2 miles driven by Steve.
 a) How far does Steve drive if Sharon drives 120 miles?
 b) How far does Sharon drive if the journey is 250 miles?
- 2** The ratio of white rolls to brown rolls baked by a baker is 5:3.
 a) How many white rolls are baked if the 200 rolls are baked altogether?
 b) How many brown rolls are baked if 100 white rolls are baked?
- 3** 400 g of flour is used to make eight cakes.
 a) How much flour is needed for 6 cakes?
 b) How much flour is needed for 20 cakes?
- 4** It takes Vincent 10 minutes to walk 800 metres.
 a) How far does he walk in 3 minutes?
 b) How far does he walk in 35 minutes?
- 5**

		✓	✓	
✓	x	x		✓
✓		✓	x	x
x	✓		x	✓

 a) Write the ratio of the ticks to crosses in its simplest form.
 b) Write the proportion of boxes with crosses as a percentage.
- 6** Find the cost of:
 a) 9 eggs at £1.50 for 6.
 b) 600 g of meat at £8.00 per kilogram.
 c) 350 g of cheese at £6.40 per kilogram.
- 7** a) Split 1.2 litres of liquid in the ratio 3:1.
 b) Cut a 2.8 m plank in the ratio 5:2.
 c) Share £180 in the ratio 4:5.