

## Skills practice B

1 Jean is paid £4 per hour more than Ken.

a Copy and complete this formula

Jean's hourly wage in pounds = Ken's hourly wage in pounds

b Ken uses a different formula that shows the same information.

Copy and complete Ken's formula.

Ken's hourly wage in pounds =

c Jean is paid £16 per hour.

How much is Ken paid?

Use these amounts to check that your formulae are correct.

2 An online discount store is having a half price sale. Some of these formulae are correct. Which are they?

- a Sale price = Regular price  $\times$  2
- b Sale price = Regular price  $\div$  2
- c Regular price = Sale price  $\times$  2
- d Regular price  $\div$  Sale price = 2
- e Sale price  $\div$  Regular price = 2



3 Jo and Raj are co-pilots in a jet that flies from London to New York. The journey is 3500 miles long. They share the flying.

- a Raj flies the first 2200 miles. How far does Jo fly?
- b On another trip, Jo flies 1800 miles. How far does Raj fly?
- c Copy and complete this formula.

Distance flown by Raj = 3500

d Write another formula that gives the same information in a different way.

4 A railway company works out its fares using this formula

Divide the length of the journey in kilometres by 10 and then add 5.

The answer is the fare in £.

Find the fares for journeys of

- a 50km
- b 100km
- c 200km
- d 5km.

5 Jenny travels regularly on the motorway for her job.

She says, 'I work out roughly how long a journey will take using this formula:

**Every 100 km takes 1 hour and every stop for a meal takes 1 hour.'**

How long does Jenny take on the following journeys?

- a 400km with one meal
- b 600km with two meals
- c 150km with no meals

Reasoning

Reasoning