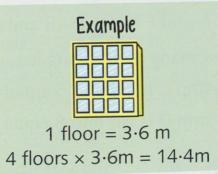
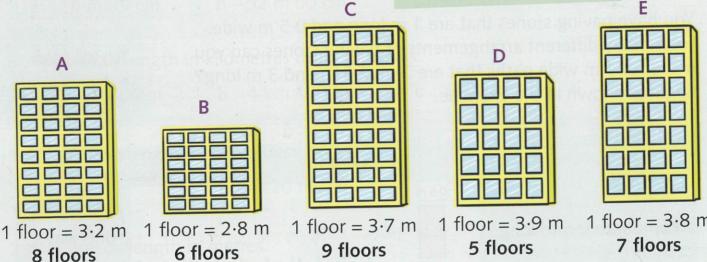
porting distances



onvert between units of length to solve problems using decimal notation

1 The cricket ground is overlooked by five blocks of flats. Work out the height of each block of flats.







- 2 How many metres taller is block C than:
 - block B?
- block D?
- 1 The distance round the sports ground running track is 420 m. Colin runs nine times round the track in training. How far does he run in kilometres?



- 2 Winston is a distance runner and he runs the same route every time. In five evenings, he ran a total of 4.73 km. How long is his training route:
 - in kilometres?
- in metres?
- 3 Meg cycles 37.5 km from home to school and home again in one week. How far is her house from her school?

4 The table shows the results of a long jump competition. By how many centimetres did Jordan beat each of his competitors?

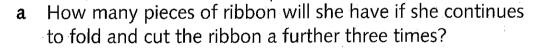
Name	Jordan	Keira	Len	Mark	Naomi
Length of jump (m)	4.42	3.97	4.29	3.88	4.16

5 A cross-country cycle competition has races at six different venues in Britain. Find the total length of each race in kilometres.

··	Venue	Length of one course lap (km)	Number of laps
a.,,	Peak District	3⋅87	4
b	Borders	2.85	5
· C	Lake District	4.19	4
d	North Wales	5∙025	3
e	South Downs	. 2.64	5
f	East Anglia	3⋅78	4

Sheena has to cut lengths of ribbon from a 32 m roll for the medals that the winners will receive at the school's sports day. She has mislaid her measuring tape and does the following:

- unrolls the ribbon, folds it in half and cuts it
- folds each piece in half and cuts it
- folds each of the four pieces in half and cuts them.



b What is the final length of each piece of ribbon?

Number of folds	4 · 0 · 4 · 1	1	2	3
Number of pieces of ribbon	1	2	4	
Length of each piece of ribbon (m)	32	16	8	



Hint

Making a table similar to this one will help organise your answer.

