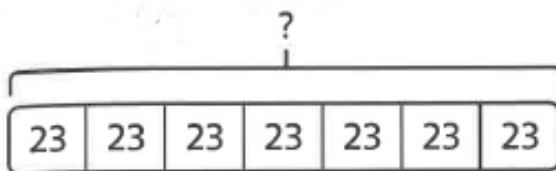


## Problem solving – multiplication

- 1 Emma cuts 7 pieces of ribbon. Each piece of ribbon is 23 cm long.

How much ribbon does she have?



Emma uses  cm of ribbon.



- 2 The distance from Nottingham to Lancaster is 224 km.

Holly makes this journey 3 times.

- a) How many kilometres does Holly travel?



Holly travels  km.

- b) It costs Holly 9p per kilometre to drive her car.

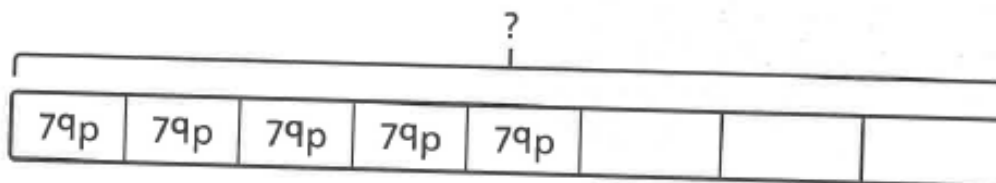
How much does it cost in total for the 3 journeys?



It costs  p in total for the 3 journeys.

- 3 Andy buys 5 bottles of juice for 79p each and 3 bottles of lemonade for £1 and 19p each.

How much does he spend in total?



Andy spends £  and  p in total.

- 4 A cookie weighs 67 g. There are 4 cookies in a box.

Mo buys 6 boxes of cookies.

What is the total weight of the cookies?



The total weight of the cookies is  g.

- 5 Tower A has 7 cubes, each cube is 86 cm high.  
Tower B has 4 cubes, each cube is 1 m 42 cm high.  
Which tower is taller?

CHALLENGE

Remember: 1 m = 100 cm



Tower  is taller.

## Reflect

Explain how the bar model helps you to solve the following problem.

- Alex cycles 83 km every day of the week.
- Bella cycles 127 km every day except Saturday and Sunday.

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What is the difference in the distances they cycle per week?

● \_\_\_\_\_

● \_\_\_\_\_

● \_\_\_\_\_

● \_\_\_\_\_

