1 A piece of rope is 18 metres long.
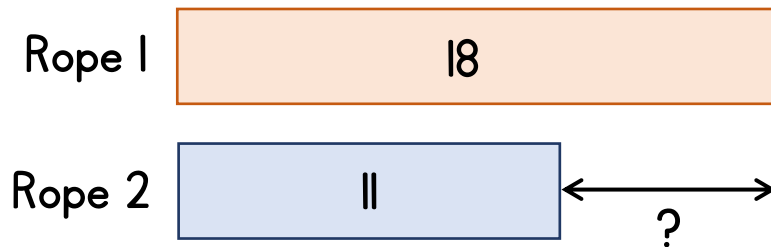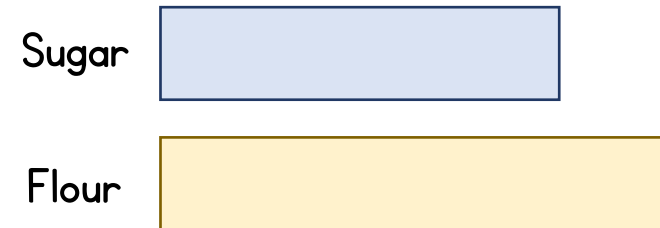
Another piece of rope is 11 metres long.

How much longer is the first piece of rope?

| Rope 1 | 18 |
| Rope 2 | 11 | ← ? → |

What is the total length of the two ropes?

2 A bag of sugar weighs 2 kg.

A bag of flour weighs 300 g more.

How much does the bag of sugar and flour weigh in total?

Sugar
Flour

A bag of sugar weighs 2 kg.
A bag of flour and sugar together weigh 7 kg.
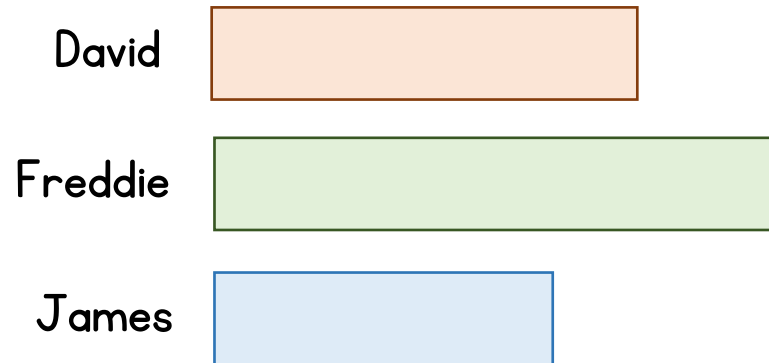How much more does the bag of flour weigh?

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How much more does the bag of flour weigh?

3 Three cricket players score 180 runs in total.

Freddie scores 12 more runs than David.

James scores 18 fewer runs than David.

How many runs did Freddie score?

David

Freddie

James

Freddie scores twice as many as David and David scores three times as many as James. If they still score 180 runs in total, how many runs did Freddie score?

4 Hassan ran 12 lengths of a hall.

Pietro ran 9 widths of the hall.

The length of the hall is 6 metres longer than the width.

The total distance they ran was 303 metres.

What is the total distance that Hassan ran?

How much longer is the length than the width of the hall?

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The total distance they ran was 303 metres.

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And finally …

570 people solved this bar modelling problem.

People solved it using either three bars, two bars or just one bar.

The total number of people who solved it using one or two bars was five times the number who solved it using three bars.

There were 960 bars drawn in total.

How many people solved it using just one bar?