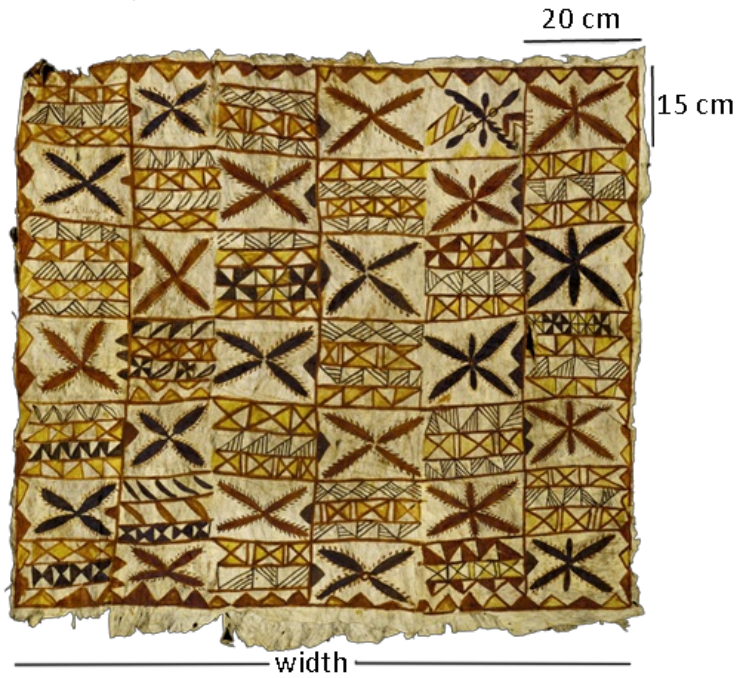


# Measuring tapa cloth

This task is about working out dimensions and area of a tapa cloth.

Elisaia is measuring his tapa cloth.

Each small section is about 20cm by 15cm.



a) What is the approximate **width** of the cloth?

1 metre

1.2 metres

1.4 metres

1.8 metres

2 metres

3 metres

b) What is the approximate **height** of the cloth?

1 metre

1.05 metres

1.25 metres

1.5 metres

2 metres

3 metres

c) Six people give ideas about how to work out the area of the tapa cloth.

Select **all** the ways/strategies that would give the correct answer (you can choose as many as you want).

"Go  $20 + 15$  and multiply it by the number of rectangles in the tapa cloth"

"Work out the height and width, and then add them together"

"Go  $20 \times 15$  and multiply it by the number of rectangles in the tapa cloth"

"Work out the height and times it by the number of columns"

"Work out the height and width, and then multiply the two together"

"Multiply 20cm by 6 and 15cm by 7 and add the numbers together"

d) Use the small sections to work out the area.

What is the approximate area of the tapa cloth?

0.9 square metres

1.26 square metres

2.25 square metres

4.2 square metres

8.4 square metres