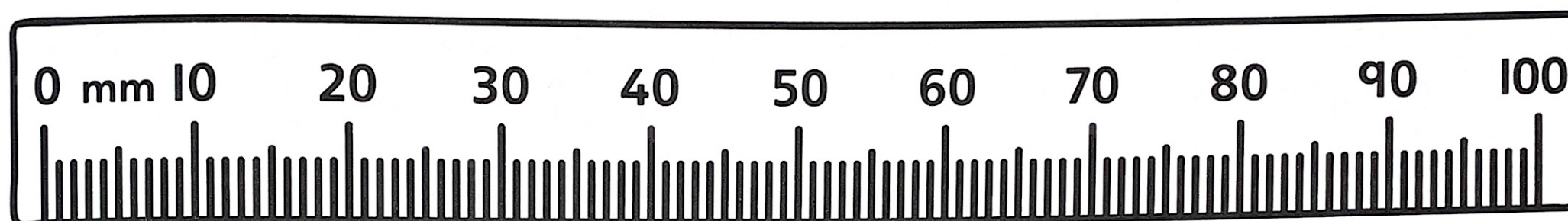


Equivalent lengths – centimetres and millimetres

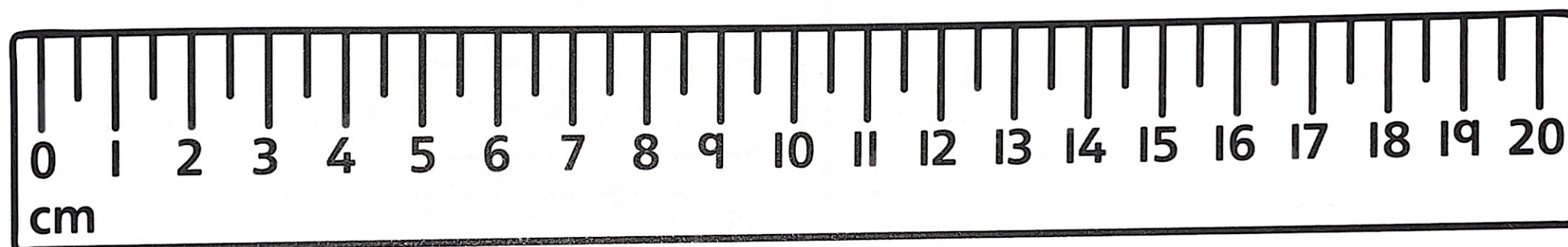
- I** Luis wants to cut some string.
He needs some help measuring.
(The rulers are not shown actual size.)



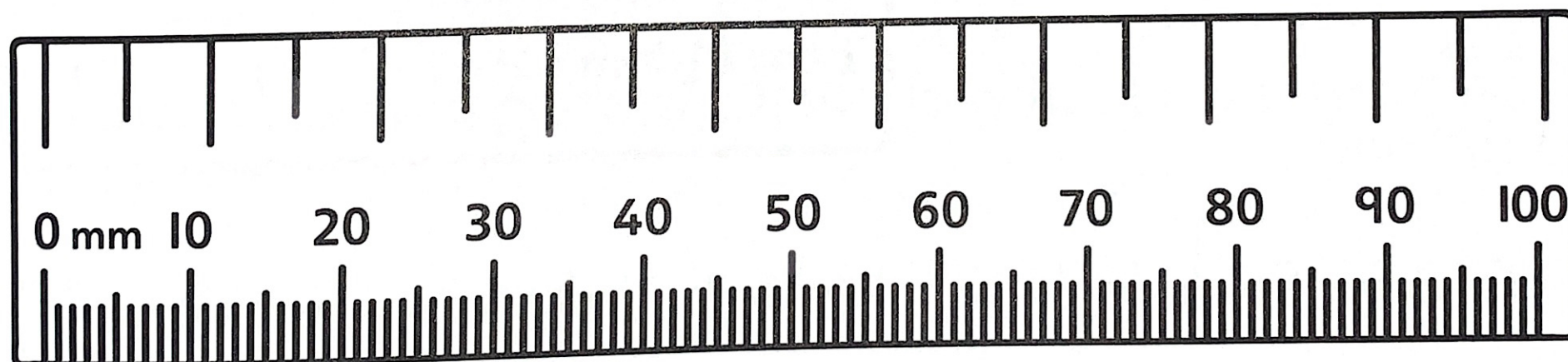
- a) Mark 2 cm 5 mm on the ruler.



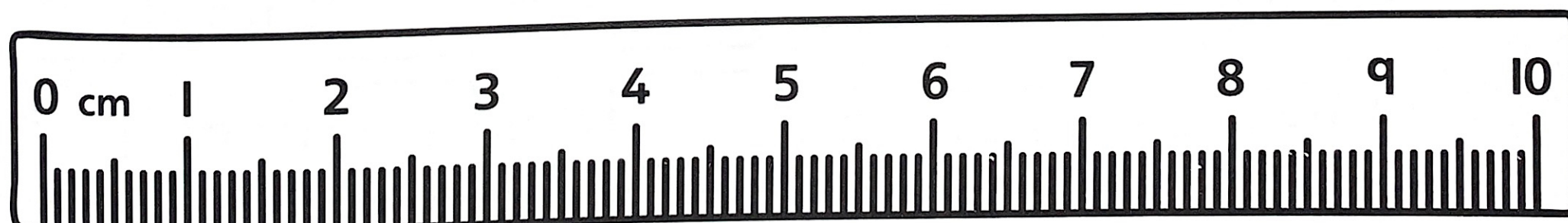
- b) Mark 30 mm on the ruler.



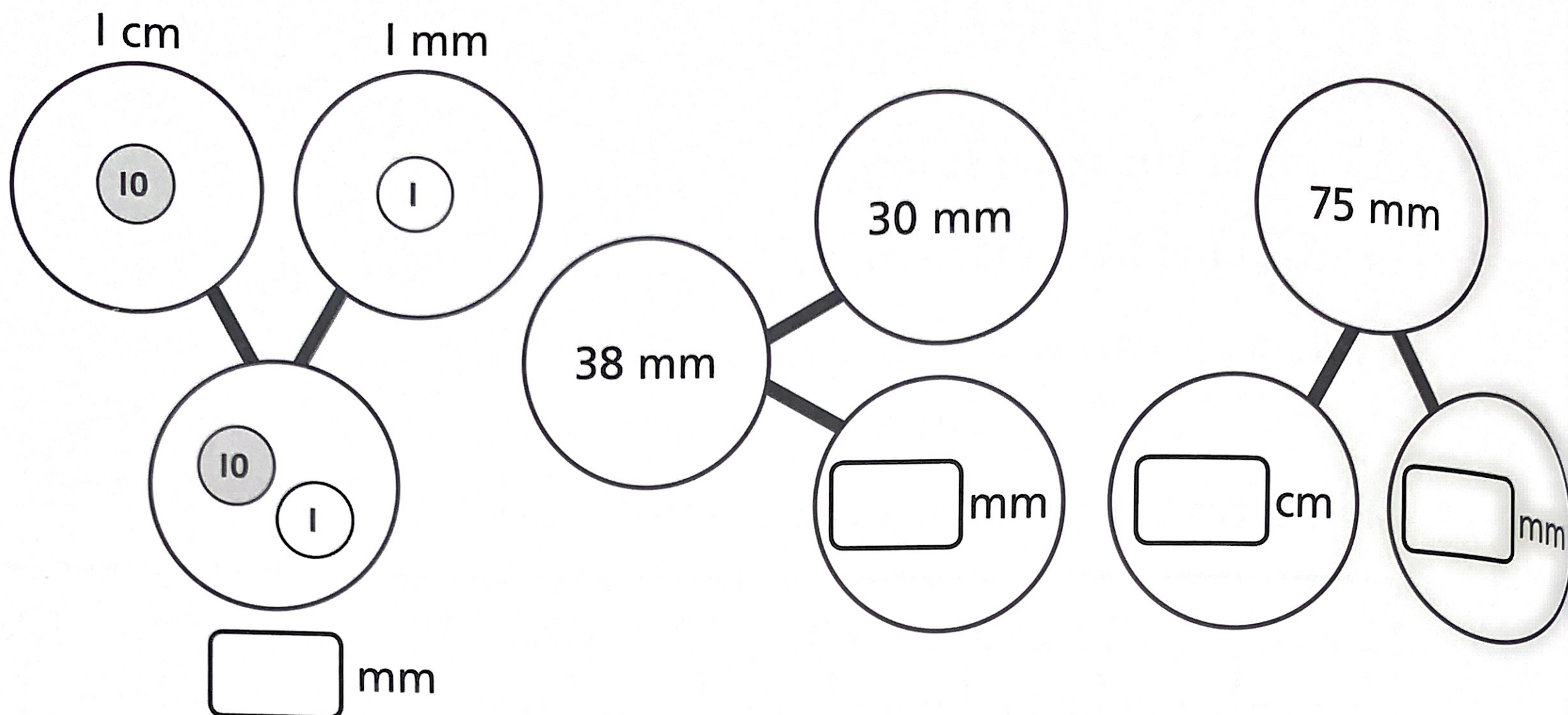
- c) Mark 9 cm 9 mm on the ruler.



- d) Mark 1 mm on the ruler.



2 Complete the part-whole models.



3 Complete this table.

I need to be careful with my place value in these questions.



7 cm 22 mm	mm
cm mm	92 mm
3 cm 0 mm	cm
2 cm 81 mm	mm

4 Measure the lengths of three items from your pencil case.

Write the answers in mm and also in cm and mm.

a) Item: _____ mm, cm and mm

b) Item: _____ mm, cm and mm

c) Item: _____ mm, cm and mm

- 5 Kate says there are no whole centimetres in 5 mm.



Is she correct? Explain.

- 6 Work with a partner. Try to cut strips of paper that are exactly these lengths:

CHALLENGE

a) 67 mm

d) 121 mm

b) 9 cm 2 mm

e) 8 cm 9 mm

c) 6 cm 7 mm

Which two lengths are equal? _____ and _____

Reflect

Luis measures a really long piece of string. He writes down 765 mm. He then converts it to 76 cm 5 mm.

Is it better to use millimetres or centimetres and millimetres for longer lengths? Why?

- I think _____ are better
- because _____
- _____
- _____