

Year 4: Reading a ruler: centimetres and millimetres: answers

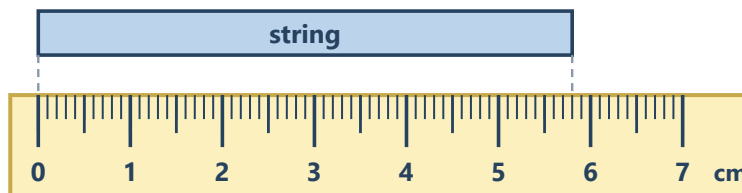
Year 4 - Perimeter, Area and Measures - Lesson 7.1

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch07-measures/reading-a-ruler-centimetres-and-millimetres/

Exercise 7A Reading a ruler Non-calculator

1 Read the length of each object. Write each answer in cm and mm.

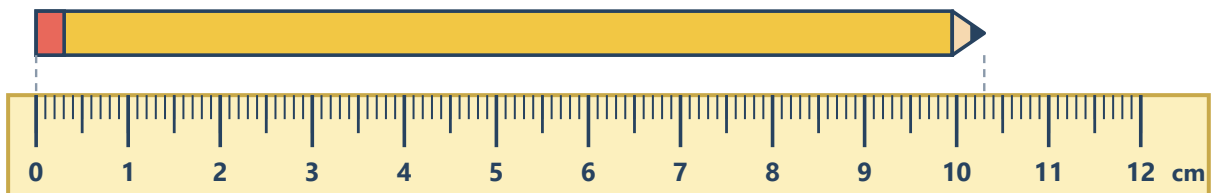
(a)



Length =

Answer: 5 cm 8 mm

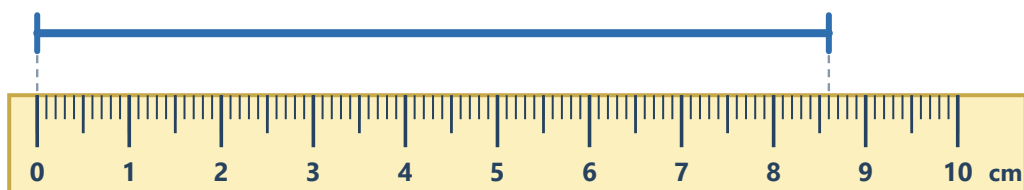
(b)



Length =

Answer: 10 cm 3 mm

(c)

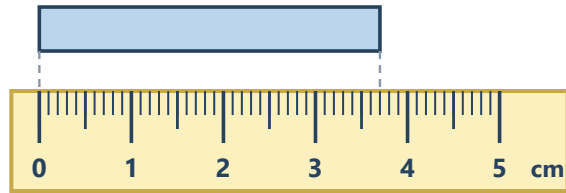


Length =

Answer: 8 cm 6 mm

2 How long is each strip? Write each answer in millimetres.

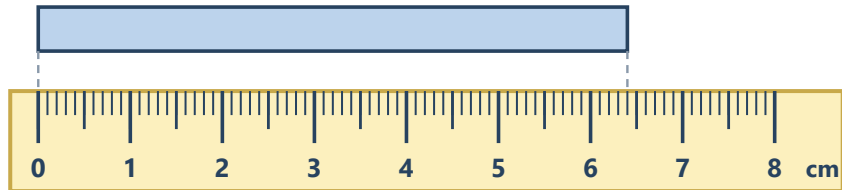
(a)



Length =

Answer: 37 mm

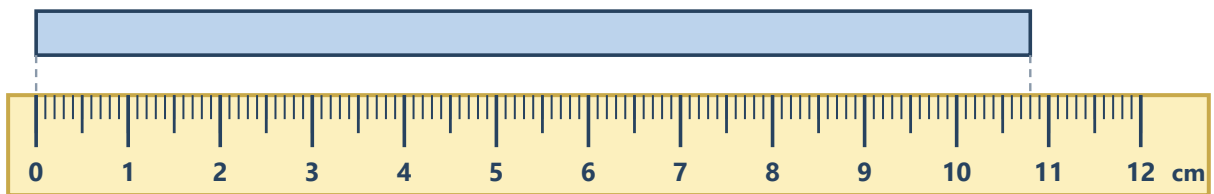
(b)



Length =

Answer: 64 mm

(c)

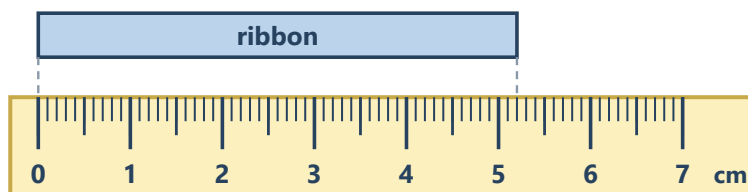


Length =

Answer: 108 mm

3 Write the length of each ribbon as a decimal number of centimetres.

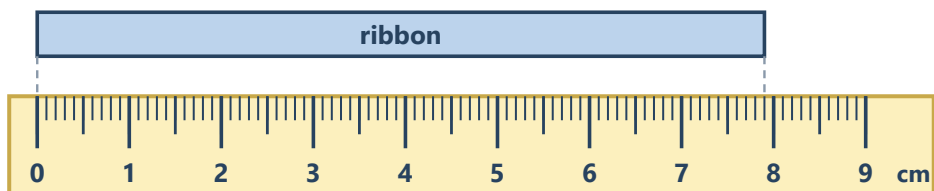
(a)



Length =

Answer: 5.2 cm

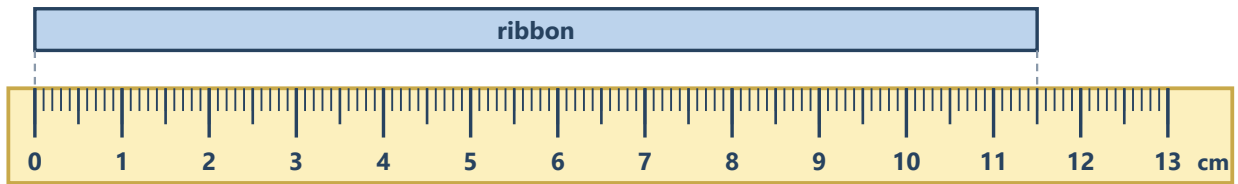
(b)



Length =

Answer: 7.9 cm

(c)

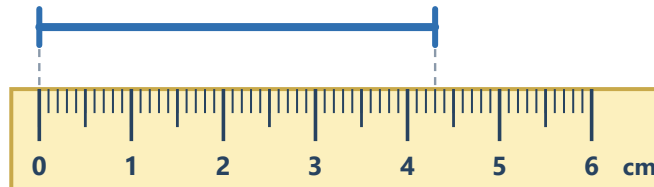


Length =

Answer: 11.5 cm

4 What is the length of each line to the nearest centimetre?

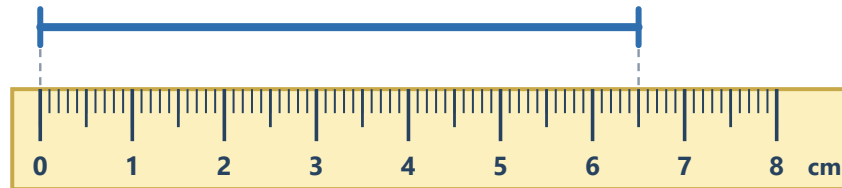
(a)



Nearest cm =

Answer: 4 cm

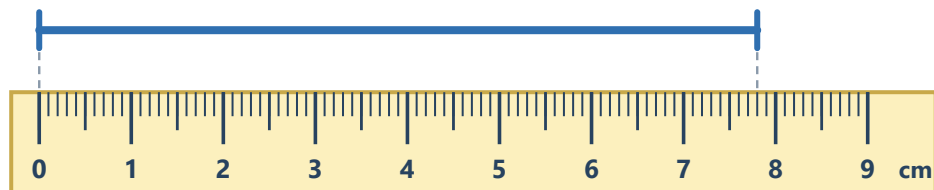
(b)



Nearest cm =

Answer: 7 cm

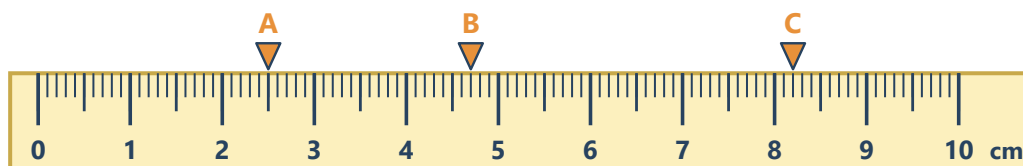
(c)



Nearest cm =

Answer: 8 cm

5 Read the length at each pointer. Write your answers in cm and mm.



(a) A =

Answer: 2 cm 5 mm

(b) B =

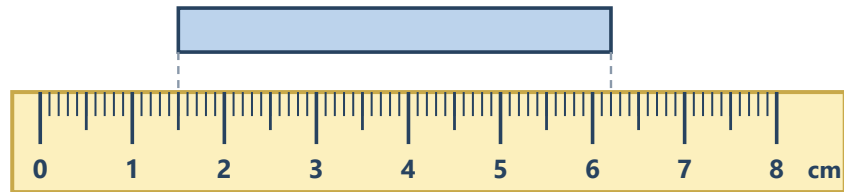
Answer: 4 cm 7 mm

(c) C =

Answer: 8 cm 2 mm

6 These strips do not start at 0. Read both ends and work out the length of each strip.

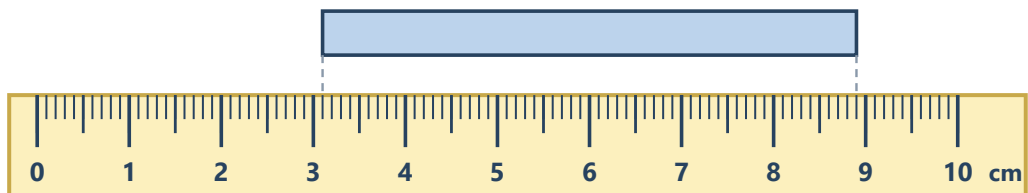
(a)



Length =

Answer: 4 cm 7 mm

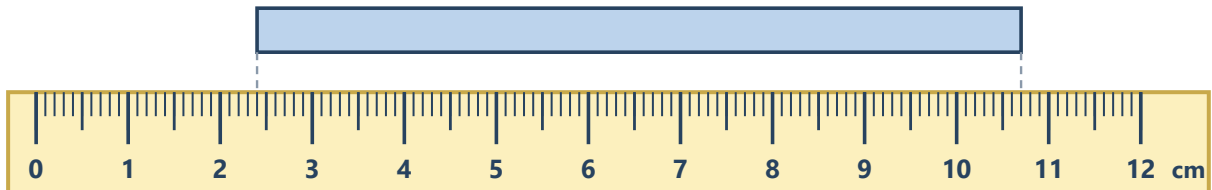
(b)



Length =

Answer: 5 cm 8 mm

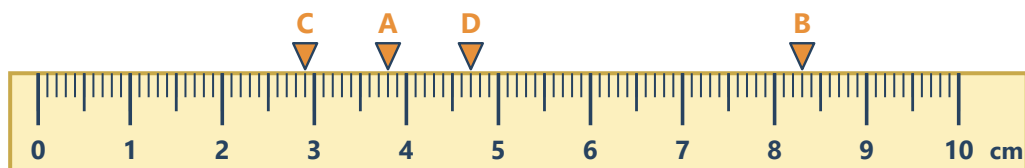
(c)



Length =

Answer: 8 cm 3 mm

7 Look at the pointers on the ruler.



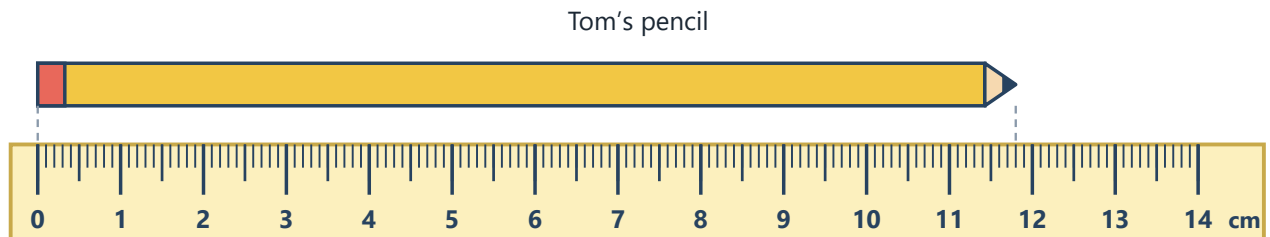
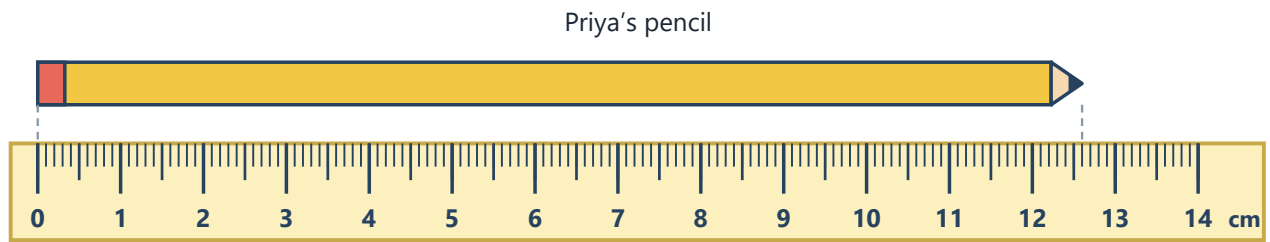
(a) Which letter is at 3 cm 8 mm?

Answer: A

(b) Which letter is at 8 cm 3 mm?

Answer: B

- 8 Priya and Tom measure their pencils.



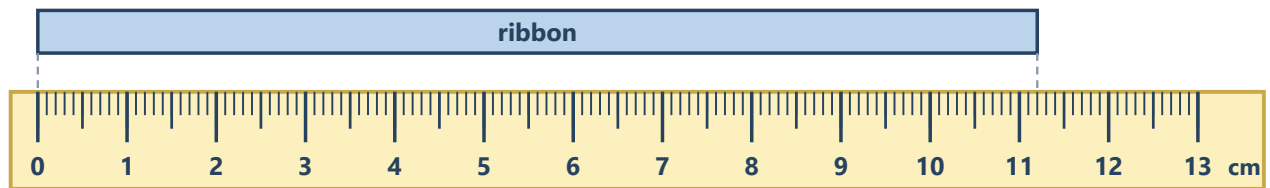
- (a) Whose pencil is longer?

Answer: Priya's pencil

- (b) How much longer is it?

Answer: 8 mm

- 9 Zainab has a ribbon.



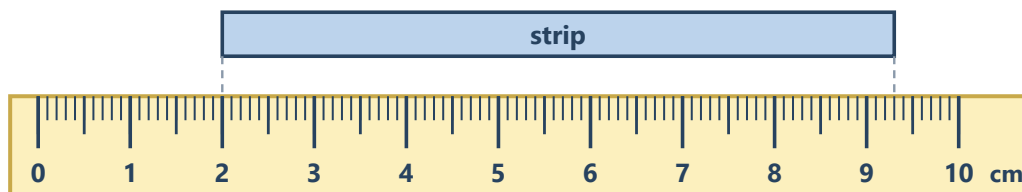
- (a) How long is the ribbon? Write it in cm and mm.

Answer: 11 cm 2 mm

- (b) She cuts off 4 cm 7 mm. How much ribbon is left?

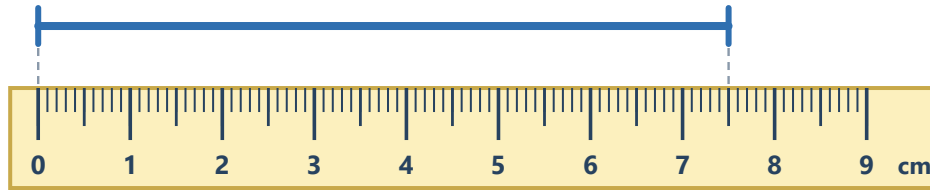
Answer: 6 cm 5 mm

- 10 Leo says, "The strip is 9 cm 3 mm long." What mistake has Leo made? What is the correct length?



Answer: 7 cm 3 mm

- 11 Aisha measures a line. She says, "The line is 7 cm to the nearest centimetre." Is she correct? Explain.



Answer: No. It is 8 cm to the nearest cm

- 12** A line is 8 cm long to the nearest centimetre. What is the **shortest** and the **longest** length it could be? Give your answers in cm and mm.

Answer: Shortest 7 cm 5 mm. Longest 8 cm 4 mm