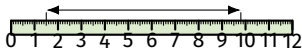


Start Tasks – Answers



The object does not start at zero. Read to the nearest millimetre and give the length in centimetres.

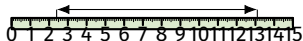
1.



Solution

$$9.8 - 1.5 = 8.3 \text{ cm} = 83 \text{ mm}$$

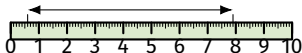
2.



Solution

$$13.1 - 2.4 = 10.7 \text{ cm} = 107 \text{ mm}$$

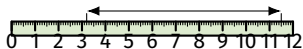
3.



Solution

$$7.9 - 0.6 = 7.3 \text{ cm} = 73 \text{ mm}$$

4.



Solution

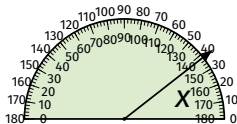
$$11.5 - 3.2 = 8.3 \text{ cm} = 83 \text{ mm}$$

Start Tasks – Answers



Read the marked angle from the right-hand zero line, using the outer scale.

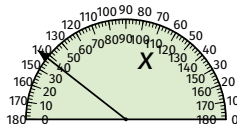
5.



Solution

Outer scale: $x = 38^\circ$

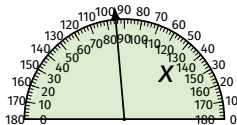
6.



Solution

Outer scale: $x = 142^\circ$

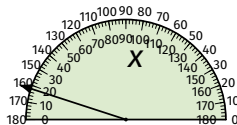
7.



Solution

Outer scale: $x = 95^\circ$

8.



Solution

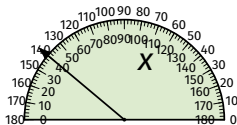
Outer scale: $x = 162^\circ$

Start Tasks – Answers



This time, measure from the left-hand zero line, using the inner scale.

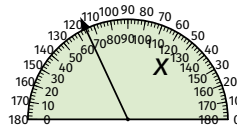
9.



Solution

Inner scale: $x = 180^\circ - 140^\circ = 40^\circ$

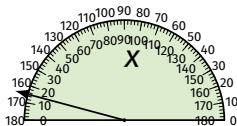
10.



Solution

Inner scale: $x = 180^\circ - 115^\circ = 65^\circ$

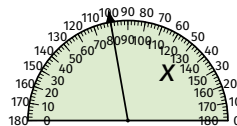
11.



Solution

Inner scale: $x = 180^\circ - 165^\circ = 15^\circ$

12.



Solution

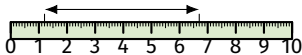
Inner scale: $x = 180^\circ - 100^\circ = 80^\circ$

Start Tasks – Answers



The object does not start at zero. Read to the nearest millimetre and give the length in millimetres.

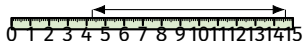
13.



Solution

$$6.7 - 1.2 = 5.5 \text{ cm} = 55 \text{ mm}$$

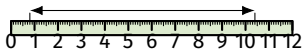
14.



Solution

$$14.6 - 4.3 = 10.3 \text{ cm} = 103 \text{ mm}$$

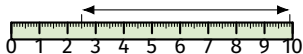
15.



Solution

$$10.4 - 0.8 = 9.6 \text{ cm} = 96 \text{ mm}$$

16.



Solution

$$9.9 - 2.5 = 7.4 \text{ cm} = 74 \text{ mm}$$