

## Exercise 9.2

1. Draw a mark or arrow pointing to the given values on each scale:

(a) (i) 55

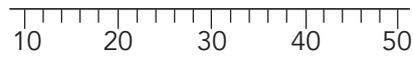
(ii) 34

(iii) 69

(b) (i) 20

(ii) 36

(iii) 48



(c) (i) 62

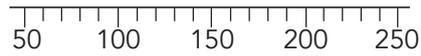
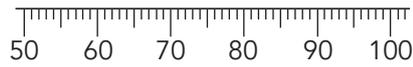
(ii) 85

(iii) 97

(d) (i) 70

(ii) 100

(iii) 220



(e) (i) 25

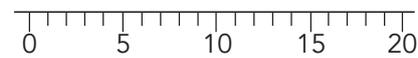
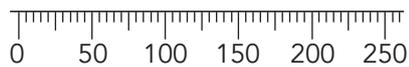
(ii) 110

(iii) 230

(f) (i) 8

(ii) 12

(iii) 19



(g) (i) 140

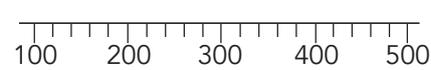
(ii) 350

(iii) 530

(h) (i) 180

(ii) 320

(iii) 460



2. Draw a line from the centre dot pointing to the given values on each scale:

(a) (i) 4

(ii) 7.5

(iii) 11.2

(b) (i) 3.8

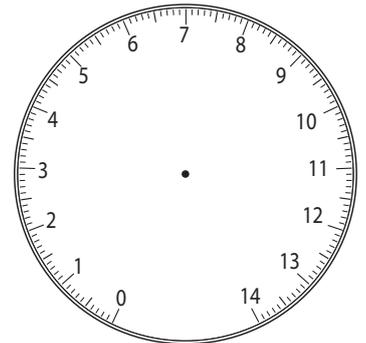
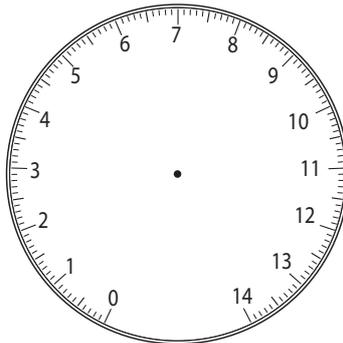
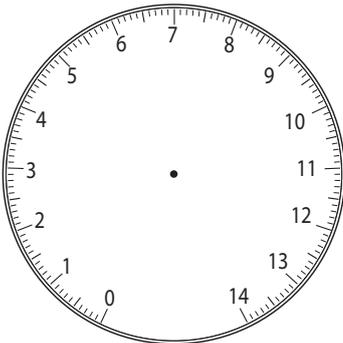
(ii) 9.5

(iii) 13.3

(c) (i) 12.5

(ii) 0.7

(iii) 6.2



(d) (i) 120

(ii) 170

(iii) 210

(e) (i) 44

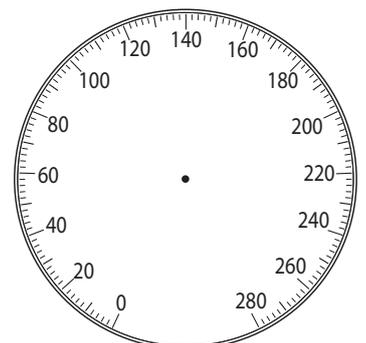
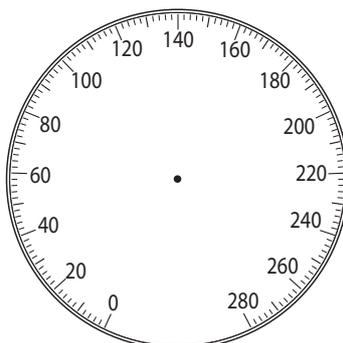
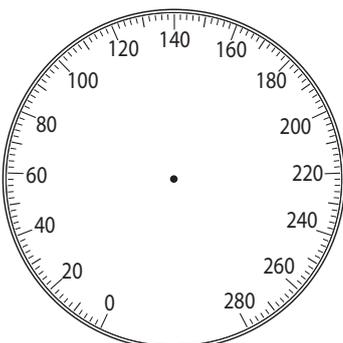
(ii) 128

(iii) 206

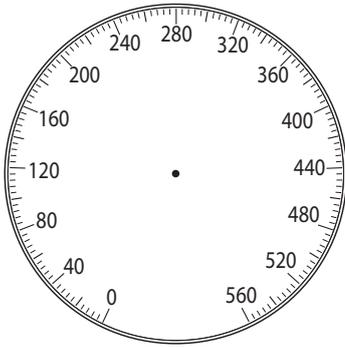
(f) (i) 4

(ii) 58

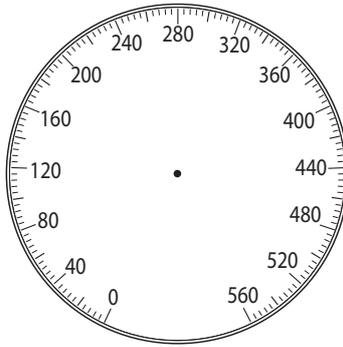
(iii) 234



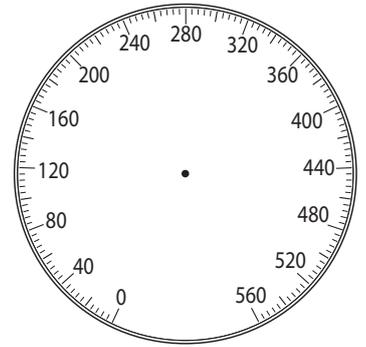
(g) (i) 140 (ii) 480 (iii) 500



(h) (i) 20 (ii) 300 (iii) 12

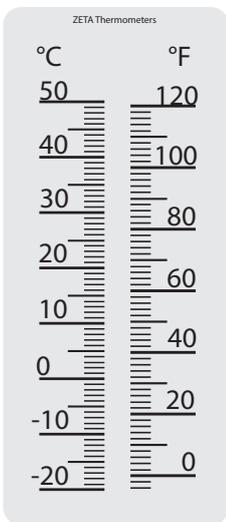


(i) (i) 4 (ii) 292 (iii) 436

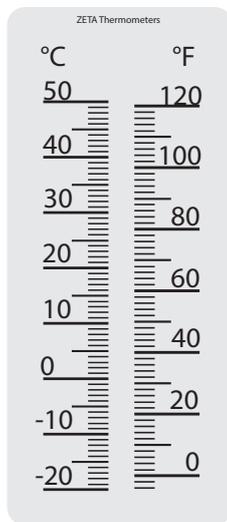


3. Mark the value of the scale in °C or °F to the nearest degree:

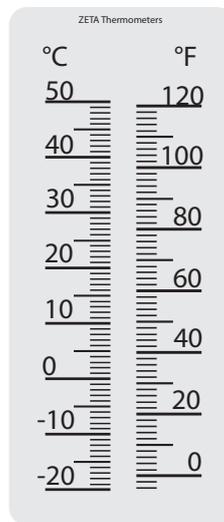
(a) (i) 15°C (ii) 90°F



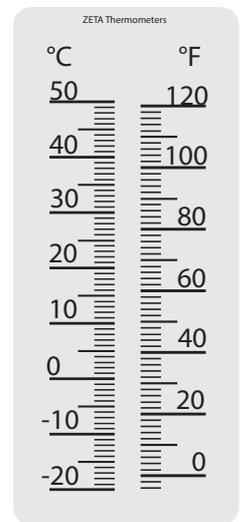
(b) (i) -5°C (ii) 110°F



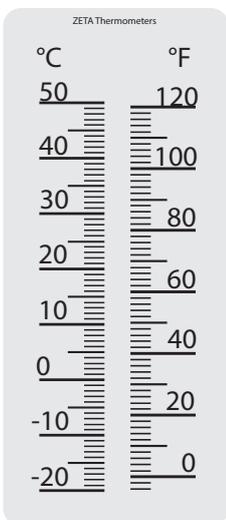
(c) (i) 43°C (ii) 74°F



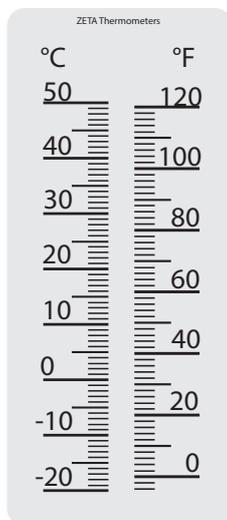
(d) (i) 26°C (ii) 52°F



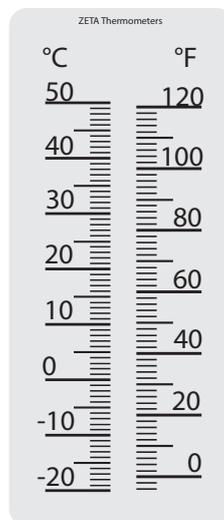
(e) (i) 30°C (ii) 88°F



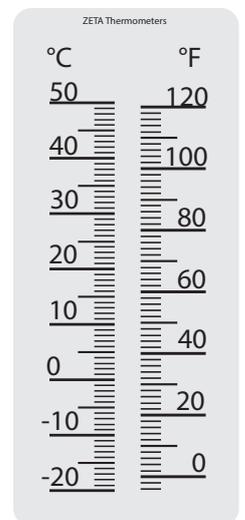
(f) (i) 47°C (ii) 116°F



(g) (i) -4°C (ii) 12°F

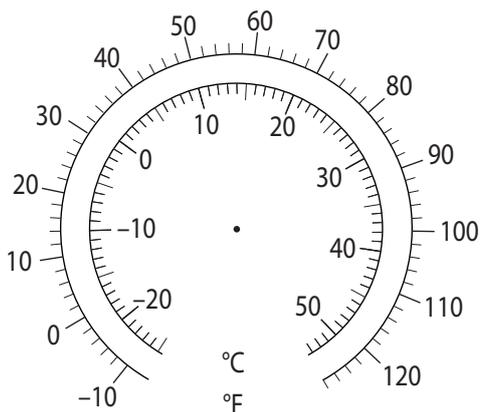


(h) (i) -17°C (ii) 44°F

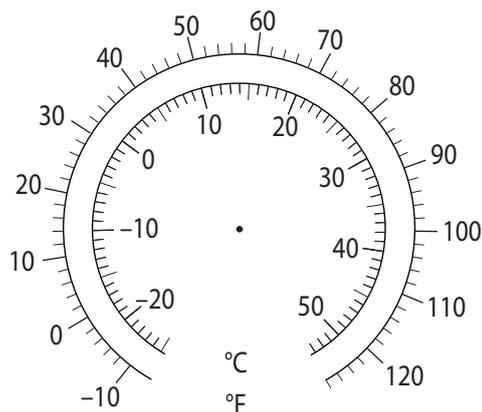


4. Read/calculate the value of the scale for each coloured line in (i) °C and (ii) °F to the nearest degree:

(a) (i) 15°C (ii) 90°F

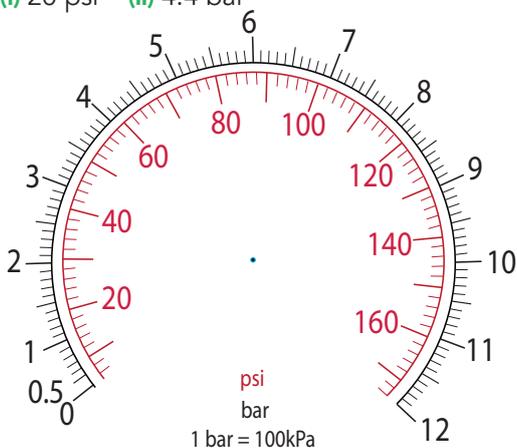


(b) (i) -5°C (ii) 110°F

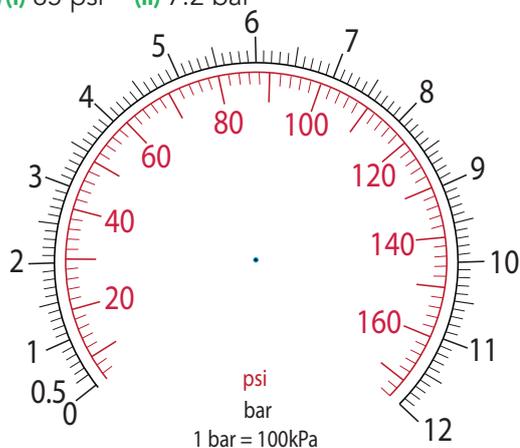


5. Read/calculate the value of the scale for each coloured line in (i) psi and (ii) bar (to 1 decimal place):

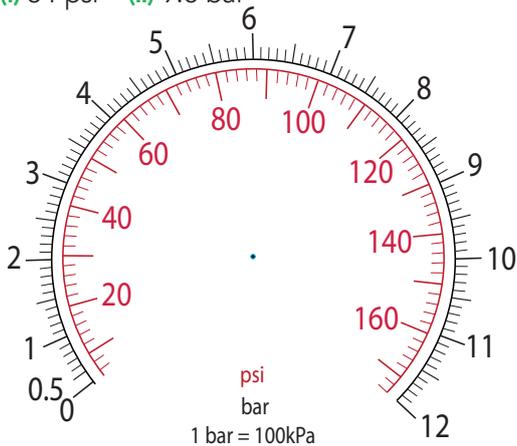
(a) (i) 20 psi (ii) 4.4 bar



(b) (i) 85 psi (ii) 7.2 bar



(c) (i) 34 psi (ii) 9.8 bar



(d) (i) 146 psi (ii) 11.3 bar

