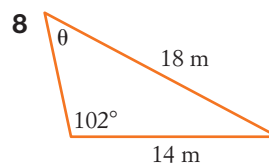
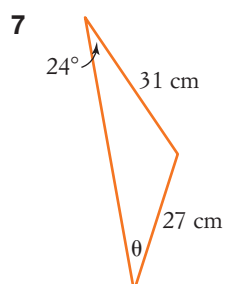
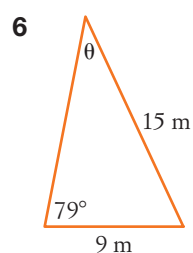
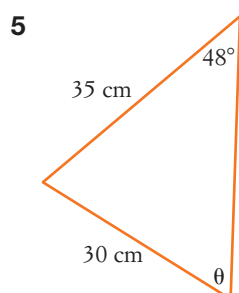
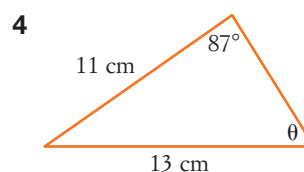
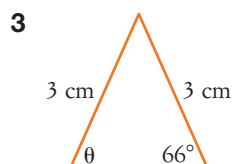
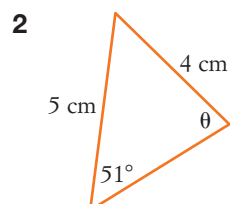
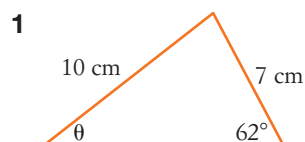
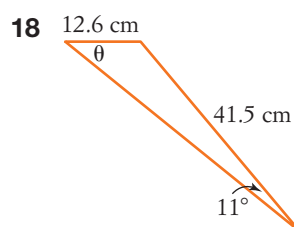
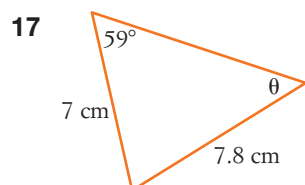
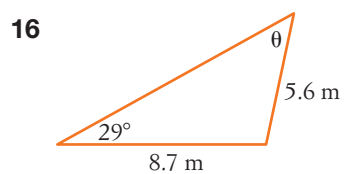
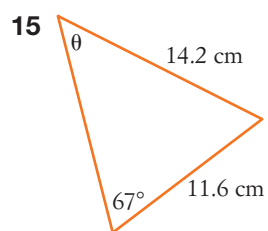
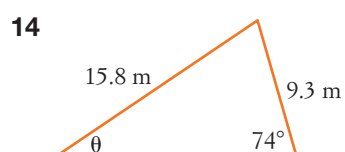
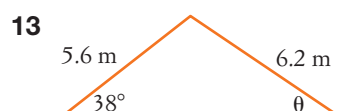
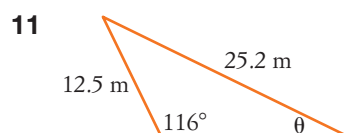
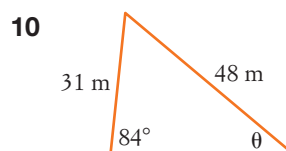
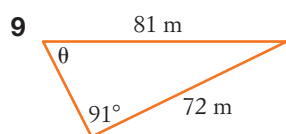


WORKSHEET

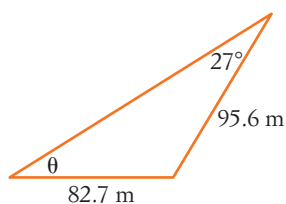
The sine rule – Finding angles

Use the sine rule to find each angle to the nearest degree.

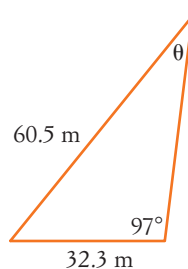




19



20



21 In $\triangle ABC$, $\angle A = 58^\circ$, $a = 17.5$ cm and $b = 20$ cm.

i Draw a sketch of $\triangle ABC$, showing the information given.

ii Find $\angle B$.

22 In $\triangle XYZ$, $\angle Y = 17^\circ$, $x = 56$ cm and $y = 18$ cm.

i Draw a sketch of $\triangle XYZ$, showing the information given.

ii Find $\angle X$.

23 In $\triangle PQR$, $\angle R = 124^\circ$, $q = 13.2$ m and $r = 25.1$ m.

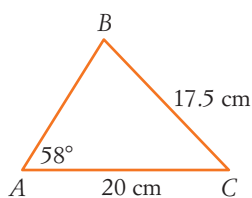
i Draw a sketch of $\triangle PQR$, showing the information given.

ii Find $\angle Q$.

Answers

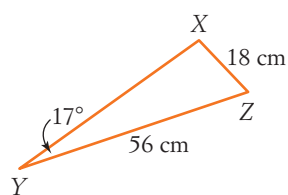
- 1 38°
- 2 76°
- 3 66°
- 4 58°
- 5 60°
- 6 36°
- 7 28°
- 8 50°
- 9 63°
- 10 40°
- 11 26°
- 12 57°
- 13 34°
- 14 34°
- 15 49°
- 16 49°
- 17 50°
- 18 39°
- 19 32°
- 20 32°

21 i



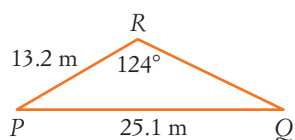
ii 76°

22 i



ii 65°

23 i



ii 26°