

Answers

1. Yes as $44 \cdot 8 > 42$
2. 29.6 days (accept 30 days)
3. $b = \sqrt{ht + a}$
4. First Class 40, Standard 275
5. (a) 52.1° (b) 11.3 cm^2
6. (a) $5(x + 3)(x - 3)$ (b) $\frac{5(x+3)}{4}$
7. 31.0° and 210.0°
8. Median 69mm, IQR 22.5 mm
9. $x^3 - 3x^2 + 4x - 12$
10. $x = -0.3$ & $x = 1.3$
11. 7900 mm^3
12. (a) 130° (b) 798.3 km
13. depth 0.9 metres.