

## CHECKPOINT MATHS, MOD 1 ANSWERS

1. 72, 198
2. 25 counters
3. (a)  $p = 8$ ,  $t = 29$       (b)  $t = 7p - 6$
4. 14
5. (a) 111      (b) An exterior angle of a triangle is equal to the sum of two interior opposite Angles.
6. (a)  $-7^{\circ}\text{C}$       (b)  $-10^{\circ}\text{C}$
7.  $1 - 0.3 = 0.7$
8. David scored the highest marks.
9.  $0.7 \times 1000 = 700$ ,       $70 \times 0.1 = 7$ ,       $700 \div 0.01 = 70,000$
10. When the input is 6, the output would 15. When the input is 9, the output would 21.
11. (a) 38      (b) 45.6      (c) 4.56
14.  $0.04$ ,  $\sqrt[3]{64}$ ,  $\sqrt{25}$ ,  $3^2$
15. (a) 5.616      (b) 3.4
16.  $n = 31$
18.  $9^0 = 0$  ...False,       $9^3 \times 9^2 = 9^5$ .....True,       $9^8 \div 9^4 = 9^2$  .....False
19. (a)  $\frac{11}{12}$       (b)  $3\frac{1}{5}$
21. (a)  $5 + (2 \times 7) = 19$       (b) 40
22.  $-2 < n \leq 5$
23. (a) 32cm      (b) 165cm      (c) - Class 8B is taller
  - The range of class B is larger
  - The median of 8B is higher than 8A
  - The tallest person is in Class B.
24. \$0.35

