Level 3

1. $\left(\dfrac{1}{2}-\dfrac{1}{3}\right)-\left(\dfrac{1}{4}-\dfrac{1}{3}\right)=$

   a) $\dfrac{1}{12}$

   b) $\dfrac{1}{6}$

   c) $\dfrac{1}{4}$

   d) $\dfrac{1}{3}$

2. What is the place value of 7 in 738
   a) 1
   b) 10
   c) 100
   d) 1000

3. 125 % of 160 is?

   a) 140
   b) 160
   c) 180
   d) 200

4. If 3+ **?** =16, which number should replace**?**

   a) y = 10
   b) y = 11
   c) y = 13
   d) y = 24

5. Find the next number in the sequence!

<u>1</u> <u>2</u> <u>3</u> <u>5</u> <u>7</u> <u>11</u>   **?**

a) 12
b) 13
c) 14
d) 15

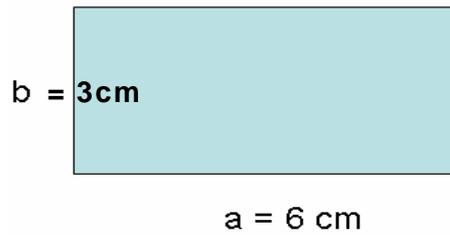6. Which expression for **y** is true if

x	0	1	2	3
y	0	2	4	6

a) y = 0
b) y = x
c) y = 2x
d) y = 3x

7. What's the time difference between these two watches?

$$12{:}02 \qquad 11{:}56$$
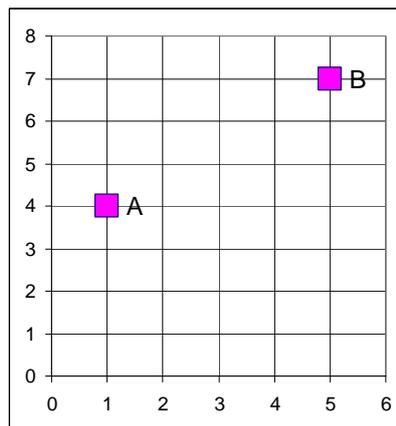
a)   4 min
b)   1 h 4 min
c)   6 min
d)   1 h 6 min

8. $5.5m^2 =$

a) 55 cm^2
b) 550 cm^2
c) 5500 cm^2
d) 55000 cm^2

9. Convert 2 and ¾ days into minutes

a) 3600
b) 3660
c) 3900
d) 3960

10. If a = 6 cm and b=3cm find the perimeter of the rectangle below

b = 3cm

a = 6 cm

a) 9 cm
b) 12 cm
c) 15 cm
d) 18 cm

11. If volume of the cube is 8 cm^3 what is its surface?

a) 4 cm^2
b) 6 cm^2
c) 12 cm^2
d) 24 cm^2

12. What is a distance between point A and point B?
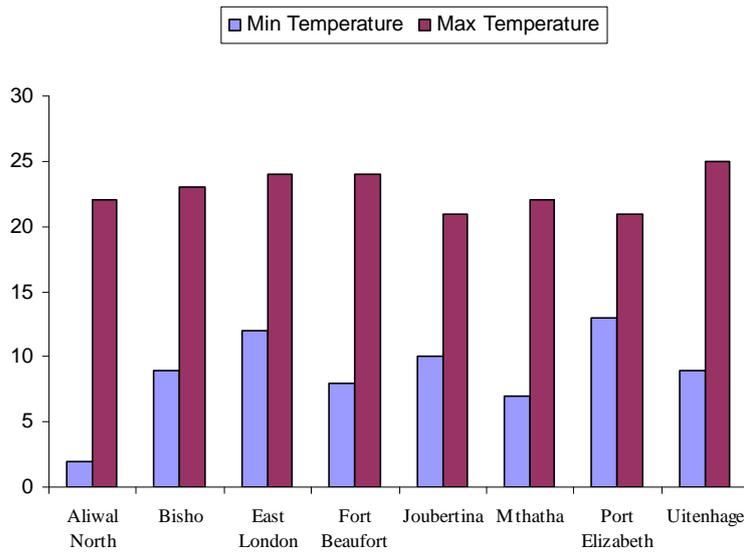

a) 3 units
b) 4 units
c) 5 units
d) 7 units

13. Mark flips a coin 10 times. What is the probability that he obtains heads on his third attempt?

a) $\dfrac{3}{80}$

b) $\dfrac{3}{20}$

c) $\dfrac{1}{8}$

d) $\dfrac{1}{2}$

14. Find mean of the following series of numbers
    13, 17, 20, 40, 40

    a) 20
    b) 26
    c) 30
    d) 40

15. Which town experienced the smallest temperature change in a day

a) Porth Elizabeth
b) Port Alfred
c) East London
d) Aliwal North