

- 1 There are 31 days in January.  
January 21st 2015 was a Wednesday.

What day of the week was February 8th 2015?

M	T	W	T	F	S	S	
		21					}
		28	29	30	31	1	
2	3	4	5	6	7	8	} Feb

Answer ..... Sunday ..... [1]

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- 2 The temperature in Berlin is  $-7^{\circ}\text{C}$  and the temperature in Istanbul is  $-3^{\circ}\text{C}$ .

(a) Write down how many degrees colder it is in Berlin than it is in Istanbul.

Answer(a) ..... 4 .....  $^{\circ}\text{C}$  [1]

(b) Sydney is 23 degrees warmer than Berlin.

Write down the temperature in Sydney.

$$-7^{\circ}\text{C} + 23^{\circ}\text{C} = 16^{\circ}\text{C}$$

Answer(b) ..... 16 .....  $^{\circ}\text{C}$  [1]

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- 3 (a) A mass of 300 kg is increased by 8%.

Work out the increase in mass.

$$\frac{8}{100} \times 300 \text{ kg} = 24 \text{ kg}$$

Answer(a) ..... 24 ..... kg [1]

(b) Nelson scores 27 out of 40 in a history test.

Work out his score as a percentage.

$$\frac{27}{40} \times 100\% = 67.5\%$$

Answer(b) ..... 67.5 ..... % [1]

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