1. Express this ratio in simplest form.

$600\,m : 1.5\,km$ [2]

1. One megabyte (MB) of computer memory contains 1,048,576 bytes.

Convert this number into scientific notation (standard form) correct to 4 significant figures. [2]

1.

The temperature in Canada at 5:00 pm is $-6\,°C$.

It falls overnight by $10\,°C$ and warms by $20\,°C$ at 11:00 am.

Find the temperature at 11:00 am. [2]

1. The distance around an Olympic Track is approximately 1,312 feet, correct to the nearest foot. Write down

(a) the lower bound of the actual distance around the track, [1]

(b) the upper bound of the actual distance around the track. [1]

1. A college sent out 3,150 invitations to their summer graduation.

5,000 invitations were sent out last year.

Find the percentage decrease in invitations sent. [2]

1. From the set {60, 61, 62, 63, 64, 65}, write a

(a) factor of 183, [1]

(b) multiple of 7, [1]

(c) cube number. [1]

1. (a) Given that $M = p^2q - 3p$, find the value of M when $p = -2$ and $q = 3$. [3]

(b) Make q the subject of the formula $M = p^2q - 3p$. [2]

LIVEWORKSHEETS