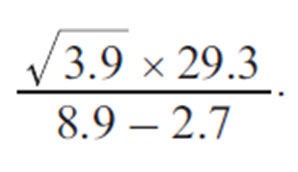
# Numbers & Accuracy

**L 1-3**

**Question 1**

By writing each number correct to 1 significant figure, estimate the value of

Show all your working. [2]

## Question 2

Work out the highest common factor (HCF) of 36 and 90. [2]

## Question 3

Write down the difference in temperature between 8°C and −9°C. [1]

## Question 4

Write 168.9 correct to 2 significant figures. [1]

## Question 5

### 11 12

13 14 15 16

From the list of numbers, write down

1. the factors of 60,

[1]

1. the prime numbers. [1]

## Question 6

At noon the temperature was 4 °C. At midnight the temperature was –5.5 °C.

Work out the difference in temperature between noon and midnight.

[1]

## Question 7

1. Write 30 as a product of its prime factors.
2. Find the lowest common multiple (LCM) of 30 and 45.

[2]

[2]

## Question 8

Find the lowest common multiple (LCM) of 24 and 32. [2]

.

## Question 9

**6**

Write 15.0782 correct to

1. one decimal place, [1]
2. the nearest 10. [1]

## Question 10

Insert **one pair** of brackets only to make the following statement correct.

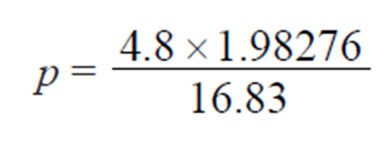
**1**

6 + 5 × 10 – 8 = 16 [1]

## Question 11

* 1. Write 90 as a product of prime factors. [2]
  2. Find the lowest common multiple of 90 and 105. [2]

## Question 12



1. In the spaces provided, write each number in this calculation correct to 1 significant figure. [1]
2. Use your answer to **part (a)** to estimate the value of *p*. [1]

## Question 13

* 1. Write 569000 correct to 2 significant figures. [1]
  2. Write 569 000 in standard form. [1]

## Question 14

March 2011, the average temperature in Kiev was 3°C.

**1**In

In March 2012, the average temperature in Kiev was 19°C lower than in March 2011. Write down the average temperature in Kiev in March 2012.

[1]