



# Mathematics lesson 1 – Answer sheet

### Activity 1

Question 1:  $(700 \text{ staff} \times 2 \text{ days}) / 5 \text{ days} = 280$

Question 2: This question is designed to get students thinking about the fact that the previous question only works if the staff come in on specific days that are spread equally across the five days. It does not take into account that some staff are more likely to come in mid-week rather than Monday or Friday.

### Activity 2

Question 2:

A.

- i) 1100 m<sup>2</sup>
- ii) 200 people
- iii) £66,000
- iv) £330

B.

- i) 1200 m<sup>2</sup>
- ii) 220 people
- iii) £72,000
- iv) £327 rounded to a whole number (£327.27 / £327.28)

C.

- i) 1600 m<sup>2</sup>
- ii) 300 people
- iii) £96,000
- iv) £320 per person

D.

- i) 5100 m<sup>2</sup>
- ii) 1000 people
- iii) £306,000

iv) £306 per person

Question 3:

A.

i) 2600 m<sup>2</sup>

ii) 500 people

iii) £156,000

iv) £312 per person

B.

i) 2100 m<sup>2</sup>

ii) 400 people

iii) £126,000

iv) £315 per person

C.

i) 3000 m<sup>2</sup>

ii) 580 people

iii) £180,000

iv) £310 per person (£310.35 as two decimal places)

D.

i) 2800 m<sup>2</sup>

ii) 540 people

iii) £168,000

iv) £311 per person rounded to a whole number (£311.11)

