



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 m²
- ii) 200 people
- iii) £66,000
- iv) £330

B.

- i) 1200 m²
- ii) 220 people
- iii) £72,000
- iv) £327 rounded to a whole number (£327.27 / £327.28)

C.

- i) 1600 m²
- ii) 300 people
- iii) £96,000
- iv) £320 per person

D.

- i) 5100 m²
- ii) 1000 people
- iii) £306,000

iv) £306 per person

Question 3:

A.

i) 2600 m²

ii) 500 people

iii) £156,000

iv) £312 per person

B.

i) 2100 m²

ii) 400 people

iii) £126,000

iv) £315 per person

C.

i) 3000 m²

ii) 580 people

iii) £180,000

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

D.

i) 2800 m²

ii) 540 people

iii) £168,000

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

