

$$6) \quad \begin{array}{r} 18 \\ \times 4 \\ \hline 72 \end{array}$$

The 72 chocolates are shared between 9 people. (1 mark)
 $72 \div 9 = 8$. So each person gets 8 chocolates. (1 mark).

- 7) Factors of 12: 1, 2, 3, 4, 6, 12
 Factors of 20: 1, 2, 4, 5, 10, 20
 Common factors are 1, 2 and 4.
 (1 mark)

Two-digit multiples of 12:
 12, 24, 36, 48, 60, 72, 84, 96
 Two-digit multiples of 20:
 20, 40, 60, 80
 The only two-digit common multiple is 60. (1 mark)

$$8) \quad \begin{array}{r} 413 \\ 4 \overline{) 1652} \end{array}$$

1652 is 100 times bigger than 16.52, so the answer is 100 times too big.
 $16.52 \div 4 = 413 \div 100 = 4.13$.
 So each person pays £4.13.
 (1 mark)

$$9) \quad \begin{array}{r} 4079 \\ \times 33 \\ \hline 12237 \\ 122370 \\ \hline 134607 \end{array}$$

(2 marks for the correct answer. Otherwise 1 mark for working using long multiplication with no more than one error.)

$$\begin{array}{r} 211 \\ 17 \overline{) 3587} \\ \underline{-34} \\ 18 \\ \underline{-17} \\ 17 \\ \underline{-17} \\ 0 \end{array}$$

(2 marks for the correct answer. Otherwise 1 mark for working using long division with no more than one error.)