## Solutions

Marking: **M1** a correct method, **A1** the correct answer, **B1** an independent mark.

Each answer shows the steps, then the **result**.

**2.1**

- $5 \times 4.65 =$ **23.25 yuan**

**2.2**

- $100 - 63.70 =$ **36.30 yuan**

**2.3**

- $60 \times 7.1 =$ **426 yuan**

**2.4**

- yuan to dollars: divide, $994 \div 7.1$
- = **140 dollars**

**2.5**

- per kg: $6.40 \times 2 = 12.80$ yuan; $24.80 \div 2 = 12.40$ yuan
- the **2 kg bag**

**3.1**

- $2 \times 8.50 = 17.00$; $3 \times 11.20 = 33.60$
- total $= 17.00 + 14.80 + 33.60 = 65.40$ yuan
- change $= 100 - 65.40 =$ **34.60 yuan**

**3.2**

(a)

- $240 \times 9.15 =$ **2196 yuan**

(b)

- divide: $732 \div 9.15$
- = **80 pounds**

**3.3**

- Desk A: $300 \times 7.82 - 25 = 2346 - 25 = 2321$ yuan
- Desk B: $300 \times 7.74 = 2322$ yuan
- **Desk B**, by **1 yuan**

**3.4**

(a)

- Plan A: $39 + 350 \times 0.10 = 74.00$ yuan
- Plan B: 69.00 yuan, as all minutes are free

(b)

- Plan A: $39 + 520 \times 0.10 = 91.00$ yuan
- Plan B: $69 + 120 \times 0.15 = 87.00$ yuan

(c)

- at 400 minutes A costs 79 and B 69: a gap of 10 yuan, closing by 0.05 yuan per minute, so $10 \div 0.05 = 200$ more minutes
- $400 + 200 =$ **600** minutes (both 99.00 yuan)