| Day 114 | B Tier 10-a-day |
|---|---|
| **1** Work out<br>(a) $-8-(-5)$<br>(b) $(-5)\times(-3)$ | |
| **2** Expand<br>(a) $4(x+7)$<br>(b) $3(2y+7)$ | |
| **3** Femi types at 45 words per minute.<br>(a) How many words does Femi type in 12 minutes?<br>(b) How long does Femi take to type 1620 words? | |
| **4** An open box (no lid) is a cuboid measuring 7 cm by 8 cm by 5 cm.<br>The base is 7 cm by 8 cm.<br>Work out the total area of card needed to make the box. | |
| **5** Solve $6(3x-2)=-84$ | |

| Day 114 | B Tier 10-a-day |
|---|---|
| **6** Farah invests £4000 for 6 years.<br>The account pays 2.5% simple interest per year.<br>(a) Work out the interest earned each year.<br>(b) Work out the total amount in the account after 6 years. | |
| **7** In triangle PQR, PQ = 5 m, QR = 18 m and angle PQR = 55°. (Calculator)<br>Work out the area of the triangle.<br>Give your answer correct to 1 decimal place. | |
| **8** Work out $(12.4 \times 10^7) \div (4 \times 10^2)$<br>Give your answer in standard form. | |
| **9** A bird flies at 30 metres per second.<br>Work out this speed in kilometres per hour. | |
| **10** £1 = 1.1 euros<br>A holiday costs €220.<br>Work out the cost in pounds. | |