


**Mastery Checkpoint**

## Have you mastered counting and solving problems with decimals?

- a) Write the next three numbers in these decimal counting sequences:

3·6, 3·7, 3·8, , ,

5·84, 5·83, 5·82, , ,

- b) Solve these:

$$7\cdot3 - 0\cdot1 = \quad 5\cdot27 + 0\cdot01 =$$

$$14\cdot7 + 0\cdot1 = \quad 3\cdot65 - 0\cdot01 =$$

$$6\cdot82 + 0\cdot1 =$$

- c) A frog jumps 1·53 m then a further 18 cm. How far does the frog jump altogether?
- d) Peter has £3·48. He finds a 20p coin and a 5p coin. How much does he now have?

- e) How can you check your answers to questions c) and d)?

### Champions' Challenge

- Find the number or measure that is exactly half way between the following pairs:  
 4·56 and 4·76  
 17·28 and 17·78  
 5·8 m and 620 cm  
 270p and £3·44  
 13·36 m and 1388 cm  
 3·2 and 3·9
- Choose the trickiest two and explain how you found the answers.