

**20** The height,  $h$  cm, of a door is 180 cm, correct to the nearest centimetre.

Complete this statement about the value of  $h$ .

.....  $\leq h <$  ..... [2]

**21** These are the first four terms of a sequence.

-6      1      8      15

**(a)** Write down the next term.

..... [1]

**(b)** Write down the term-to-term rule.

..... [1]

**(c) (i)** Find the  $n$ th term.

..... [2]

**(ii)** Is 688 a term in this sequence?

Explain how you decide.

..... because .....

..... [2]