

Chapter 1: Whole numbers

1A

PLACE VALUE

The **place** of a digit in a number determines its value.

The digit **zero** or 0 is used to show an empty place value.

1 Write down the value of the digit 4 in:

a 45

b 964

c 5407

d 64 291

e 48 302

2 For the number 417 302, write down the value of the:

a 3

b 1

c 7

d 4

e 2

f 0

3 Write in numeral form:

a $300 + 70 + 8$

b $50\,000 + 600 + 20 + 3$

c $900\,000 + 20\,000 + 5000 + 40 + 1$

4 Write in expanded form:

a 542

b 20 317

c 315 060

5 Write in words:

a 220

b 6415

c 37 803

6 Write in numeral form:

a three thousand and twenty two

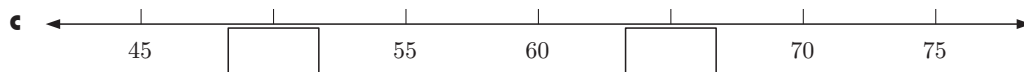
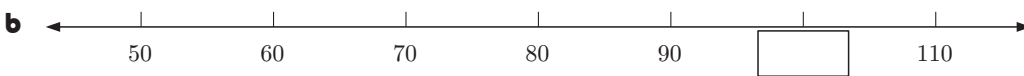
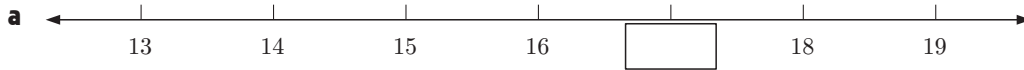
b ninety eight thousand, four hundred and one

1B

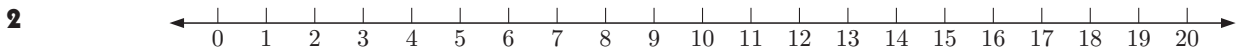
NUMBER LINES

A **number line** has equally spaced points marked with numbers in order and in the correct position relative to one another. Arrowheads are used to show that the line can continue indefinitely.

1 Find the missing value(s) in each number line:



> means "is greater than".
 < means "is less than".



Using this number line to help you, insert < or > to make each statement correct:

a $5 \square 1$

b $4 \square 7$

c $9 \square 12$

d $20 \square 14$

3 Show the numbers 31, 26, 25, 29, 33 on a number line. Hence write the numbers in ascending order.

4 Show the numbers 250, 150, 200, 350, 50 on a number line. Hence write the numbers in descending order.