

Question 1: Write the place value of the digit that has been underlined

1) 725

2) 7,823

3) 199

4) 11,717,555

5) 9,053,496

6) 709,758,968

7) 105,016

8) 43,105

6 State whether each of these statements is true or false.

a $5 > 4$

b $6 = 10$

c $9 \neq 99$

d $1 < 12$

e $22 \leq 11$

f $126 \leq 126$

g $19 \geq 20$

h $138 > 137$

i $13 = 1 + 3$

j $15 + 7 = 22 + 5$

k $16 - 8 = 8 - 16$

l $10 = 1 + 2 + 3 + 4$

9 Arrange these numbers from smallest to largest.

a 55, 45, 54, 44

b 729, 29, 92, 927, 279

c 23, 951, 136, 4

d 435, 453, 534, 345, 543, 354

e 12345, 54321, 34512, 31254

f 1010, 1001, 10001, 1100, 10100

14 It is convenient to write very large numbers in expanded form with index notation. Here is an example.

$$50000000 = 5 \times 10000000 = 5 \times 10^7$$

a Explain why it is convenient to write large numbers in this type of expanded form.

b 3200 can also be written in the form 32×10^2 . All the non-zero digits are written down and then multiplied by a power of 10. Similarly, write each of these numbers in the same way.

i 4100

ii 370000

iii 21770000

