Place Value and Decimals

Foundation tier | Written solutions

PLACE VALUE

Question 1

The 4 in 3451 is in the hundreds column, so its value is 400.

Question 2

In 0.872, the 7 is in the hundredths column. Seven hundredths is 0.07.

COMPARING AND ORDERING DECIMALS

Question 3

Write 3.25 as 3.250. Since 205 thousandths is less than 250 thousandths, 3.205 is smaller.

Question 4

Write 0.46 as 0.460. Since 460 thousandths is greater than 406 thousandths, 0.46 is larger.

Question 5

Write the numbers to three decimal places: 0.700, 0.070, 0.707, 0.770. From smallest to largest: 0.07, 0.7, 0.707, 0.77.

Question 6

Write the numbers to three decimal places: 5.600, 5.060, 5.606, 5.660. From largest to smallest: 5.66, 5.606, 5.6, 5.06.

Question 7

Write the numbers to three decimal places: 2.300, 2.030, 2.330, 2.303. From largest to smallest: 2.33, 2.303, 2.3, 2.03.

Question 8

Write the numbers to three decimal places: 1.800, 1.080, 1.808, 1.880. In ascending order: 1.08, 1.8, 1.808, 1.88.

FORMING NUMBERS

Question 9

Use the largest digit, 9, in the tens column and the next largest, 6, in the units column. The largest two-digit number is 96.

Question 10

The largest digit goes in the hundreds column, the next largest in the tens column, then the next largest in the units column: 9, 7, 3. The number is 973.

Question 11

To make the sum as small as possible, put the two smallest non-zero digits, 3 and 6, in the tens columns. The units are 0 and 8. For example, 30 + 68 = 98. (38 + 60 also gives 98.)