

Name:

Date:

40  
total marks



## Maths Assessment Year 6: Number and Place Value

1. Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.

a) Fill in the missing boxes:

| Number in digits | Number in words                                                            |
|------------------|----------------------------------------------------------------------------|
|                  | One million, six hundred and thirty-three thousand, four hundred and fifty |
| 3 905 231        |                                                                            |
|                  | Five million, one hundred and ninety-four thousand, eight hundred and two  |
| 2 730 867        |                                                                            |

4 marks

b) Order these numbers from smallest to largest:

|           |         |         |           |        |        |
|-----------|---------|---------|-----------|--------|--------|
| 1 912 678 | 192 508 | 534 176 | 2 317 302 | 91 459 | 37 916 |
|           |         |         |           |        |        |

1 mark

c) Compare the numbers below using  $<$   $>$  or  $=$  :

|           | $<$ $>$ or $=$ |           |
|-----------|----------------|-----------|
| 6 678 543 |                | 6 786 534 |
| 5 454 163 |                | 4 451 463 |
| 2 342 781 |                | 2 342 781 |

1 mark

d) In the numbers below, **circle the digit** that is worth the amount written in words:

|           |                        |
|-----------|------------------------|
| 2 347 302 | Three hundred          |
| 8 983 582 | Eighty                 |
| 124 463   | Four thousand          |
| 5 759 474 | Seven hundred thousand |

4 marks

Total for this page

2. Round any number to a required degree of accuracy.

a) Round these numbers to the **nearest ten**:

| Number    | Rounded to the nearest ten |
|-----------|----------------------------|
| 8 235 678 |                            |
| 5 166 312 |                            |

2 marks

b) Round these numbers to the **nearest hundred**:

| Number    | Rounded to the nearest hundred |
|-----------|--------------------------------|
| 3 547 850 |                                |
| 6 987 022 |                                |

2 marks

c) Round these numbers to the **nearest thousand**:

| Number    | Rounded to the nearest thousand |
|-----------|---------------------------------|
| 2 370 100 |                                 |
| 5 867 499 |                                 |

2 marks

d) Round these numbers to the **nearest ten thousand**:

| Number    | Rounded to the nearest ten thousand |
|-----------|-------------------------------------|
| 8 464 122 |                                     |
| 9 804 671 |                                     |

2 marks

e) Round these numbers to the nearest hundred thousand:

| Number    | Rounded to the nearest hundred thousand |
|-----------|-----------------------------------------|
| 1 443 522 |                                         |
| 7 804 671 |                                         |

2 marks

Total for this page

4. Solve number and practical problems.

This chart shows the population of different cities in the UK.

a) Round each number to the nearest ten thousand.

| City       | Population | Rounded to the nearest ten thousand |
|------------|------------|-------------------------------------|
| Birmingham | 1 092 330  |                                     |
| London     | 8 615 246  |                                     |
| Manchester | 502 900    |                                     |
| Cardiff    | 346 100    |                                     |
| Glasgow    | 596 550    |                                     |
| Edinburgh  | 487 501    |                                     |



6 marks

b) Write the cities in order based on their population, from smallest to largest:

|          |  |
|----------|--|
| Smallest |  |
|          |  |
|          |  |
|          |  |
|          |  |
| Largest  |  |



1 mark

c) Use the symbols  $<$ ,  $>$  or  $=$  to compare the size of these cities' populations:

|            | $<$ $>$ or $=$ |           |
|------------|----------------|-----------|
| Birmingham |                | London    |
| Glasgow    |                | Edinburgh |
| Manchester |                | Cardiff   |



3 marks



Total for this page