

Name:



Maths Assessment Year 4 Term 3: Number and Place Value

1. Count in multiples of 6, 7, 9, 25 and 1000; find 1000 more or less than a given number.
2. Find 1000 more or less than a given number.
3. Count backwards through zero to include negative numbers.
4. Recognise the place value of each digit in a four digit number.
5. Order and compare numbers beyond 1000.
6. Identify, represent and estimate numbers using different representations. Read and write numbers up to 1000 in numerals and in words.
7. Round any number to the nearest 10, 100 or 1000.
8. Solve number and practical problems that involve all of the above and with increasingly large positive numbers.
9. Read Roman numerals to 100.

Name:

Date:

Maths Assessment Year 4 Term 3: Number and Place Value

1. Count in multiples of 6, 7, 9, 25 and 1000; find 1000 more or less than a given number.

Fill in the missing boxes:

49	42				14	
----	----	--	--	--	----	--

4000			7000		9000	
------	--	--	------	--	------	--

63	72					117
----	----	--	--	--	--	-----

			24	18	12	
--	--	--	----	----	----	--

4 marks

2. Find 1000 more or less than a given number.

1000 less		1000 more
	9203	
	59 007	

2 marks

3. Count backwards through zero to include negative numbers.

- a) The temperature was 5°C . During the winter it falls by 8°C . On this thermometer, draw an arrow to show to where the temperature will fall.



2 marks

Total for this page

b) Continue counting backwards in steps of 4.

12	8	4			
----	---	---	--	--	--

1 mark

4. Recognise the place value of each digit in a four digit number.

Write a number with digits that have the following values: 4000, 700, 3

Write a number with digits that have the following values: 8000, 80, 1

Write a number with digits that have the following values: 2000, 300, 70, 7

Write a number with digits that have the following values: 5000, 600, 50, 6

4 marks

5. Order and compare numbers beyond 1000.

a) Order the following numbers from smallest to greatest.

8088	8808	888	8008	808	880
------	------	-----	------	-----	-----

--	--	--	--	--	--

1 mark

b) Complete these number statements:

< > or =		
3405		3504
2188		2118
4677		4767

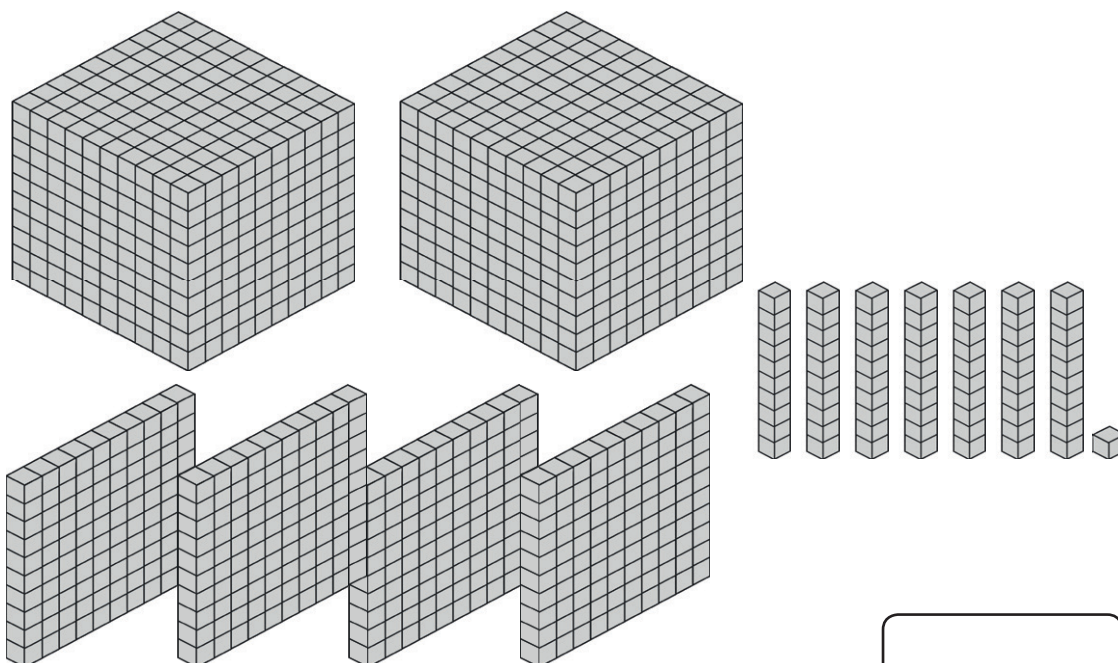
2 marks

Total for this page

6. Identify, represent and estimate numbers using different representations. Read and write numbers up to 1 000 in numerals and in words.

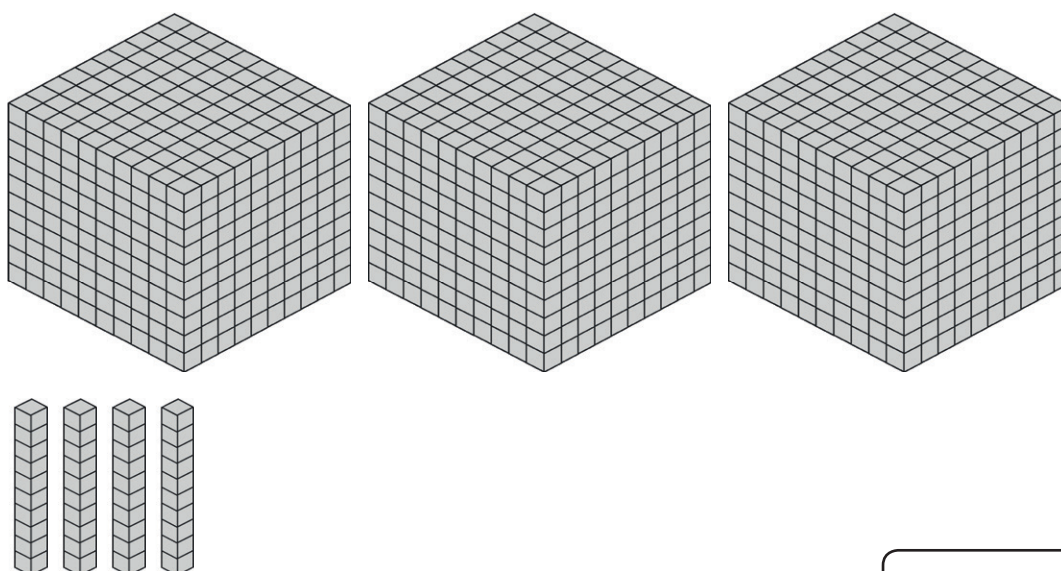
Write the number represented by the following, where 1 small cube represents 1:

a)



1 mark

b)



1 mark

Total for this page

c) Fill in the missing boxes

Number in digits	Number in words
210	
	Three thousand, two hundred and seventeen
4509	
	Six thousand and six
11 380	

5 marks

7. Round any number to the nearest 10, 100 or 1000.

a) Write whether the number in the first column has been rounded to the nearest 10, 100 or 1000. The first one has been done for you.

Number	Rounded Number	Rounded to nearest
249	250	10
389	400	
2470	2000	
6924	6920	

3 marks

b) Round 2371 to the nearest 10, 100 and 1000.

nearest 10	
nearest 100	
nearest 1000	

3 marks

c) Ring the numbers that can be rounded to 5000 when rounded to the nearest 1000.

4600 5623 5230 4442 4982 3982 6023

3 marks

Total for this page

8. Solve number and practical problems that involve all of the above and with increasingly large positive numbers.

Here is a list of the distances from London to different cities around the world.

- a) Complete the table by rounding each distance to the nearest 1000 km.

City	Distance	Rounded to the nearest 1000 km
Moscow	2532 km	
Johannesburg	8997 km	
New York	5637 km	
Karachi	6377 km	
Rio de Janeiro	9142 km	

5 marks

- b) Order the cities from the largest distance to the smallest.

largest distance	
shortest distance	

1 mark

- c) Jenny says that Karachi and New York are the same distance from London, but Mark argues that Karachi is further away from London than New York. Explain the reasoning of each child.

1 mark

Total for this page

9. Read Roman numerals to 100.

In 2012, London staged the XXX Olympiad, which were the 30th Olympic Games.

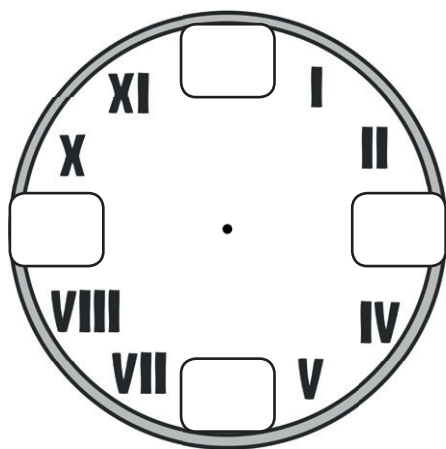
a) Complete these sentences:

In 1924, Paris hosted the VIII Olympiad, which were the Olympic Games.

In 1960, Rome hosted the XVII Olympiad, which were the Olympic Games.

In 1988, Seoul hosted the XXIV Olympiad, which were the Olympic Games.

b) Mark this clock with Roman numerals in the four spaces indicated.



c) Complete this table of Roman numerals and corresponding numbers.

18	
	XL
72	
	LXXXVII

3 marks

4 marks

4 marks

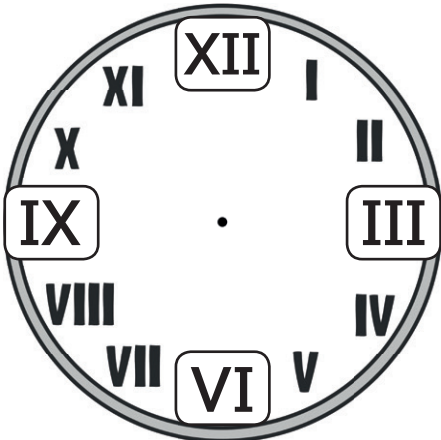
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Answer Sheet: Maths Assessment Year 4 Term 3: Number and Place Value



question	answer	marks	notes												
1. Count in multiples of 6, 7, 9, 25 and 1000.															
	<table><tr><td>49</td><td>42</td><td>35</td><td>28</td><td>21</td><td>14</td><td>7</td></tr></table>	49	42	35	28	21	14	7	1	All 3 correct for mark.					
	49	42	35	28	21	14	7								
	<table><tr><td>4000</td><td>5000</td><td>6000</td><td>7000</td><td>8000</td><td>9000</td><td>10000</td></tr></table>	4000	5000	6000	7000	8000	9000	10000	1	All 3 correct for mark.					
	4000	5000	6000	7000	8000	9000	10000								
<table><tr><td>63</td><td>72</td><td>81</td><td>90</td><td>99</td><td>108</td><td>117</td></tr></table>	63	72	81	90	99	108	117	1	All 4 correct for mark.						
63	72	81	90	99	108	117									
<table><tr><td>42</td><td>36</td><td>30</td><td>24</td><td>18</td><td>12</td><td>6</td></tr></table>	42	36	30	24	18	12	6	1	All 4 correct for mark.						
42	36	30	24	18	12	6									
2. Find 1000 more or less than a given number.															
	<table><tr><td>1,000 less</td><td></td><td>1,000 more</td></tr><tr><td>8203</td><td>9203</td><td>10 203</td></tr><tr><td>58 007</td><td>59 007</td><td>60 007</td></tr></table>	1,000 less		1,000 more	8203	9203	10 203	58 007	59 007	60 007	2	Both answers on each row correct for 1 mark.			
1,000 less		1,000 more													
8203	9203	10 203													
58 007	59 007	60 007													
3. Count backwards through zero to include negative numbers.															
a	-3°C	2													
b	<table><tr><td>12</td><td>8</td><td>4</td><td>0</td><td>-4</td><td>-8</td></tr></table>	12	8	4	0	-4	-8	1	All correct for mark.						
12	8	4	0	-4	-8										
4. Recognise the place value of each digit in a four digit number.															
	4703 8081 2377 5656	4													
5. Order and compare numbers beyond 1000.															
a	<table><tr><td>808</td><td>880</td><td>888</td><td>8008</td><td>8088</td><td>8808</td></tr></table>	808	880	888	8008	8088	8808	1							
808	880	888	8008	8088	8808										
b	3405 < 3504 2188 > 2118 4677 < 4767	2	All to be correct to get 2 marks. Award 1 mark if one error.												
6. Identify, represent and estimate numbers using different representations. Read and write numbers up to 1000 in numerals and words.															
a	2471	1													
b	3040	1													
c	<table><tr><td>Number in digits</td><td>Number in words</td></tr><tr><td>210</td><td>two hundred and ten</td></tr><tr><td>3217</td><td>three thousand, two hundred and seventeen</td></tr><tr><td>4509</td><td>four thousand, five hundred and nine</td></tr><tr><td>6006</td><td>six thousand and six</td></tr><tr><td>11380</td><td>eleven thousand, three hundred and eighty</td></tr></table>	Number in digits	Number in words	210	two hundred and ten	3217	three thousand, two hundred and seventeen	4509	four thousand, five hundred and nine	6006	six thousand and six	11380	eleven thousand, three hundred and eighty	5	When writing numbers in words, accept incorrect spellings as long as it can be decoded but don't accept just the digits written e.g. three seven nine.
Number in digits	Number in words														
210	two hundred and ten														
3217	three thousand, two hundred and seventeen														
4509	four thousand, five hundred and nine														
6006	six thousand and six														
11380	eleven thousand, three hundred and eighty														

question	answer			marks	notes
7. Round any number to the nearest 10, 100 or 1000.					
a	Number	Rounded Number	Rounded to nearest	3	1 mark of each correct answer.
	249	250	10		
	389	400	100		
	2470	2000	1000		
	6924	6920	10		
b	nearest 10		2370	3	1 mark for each correct answer.
	nearest 100		2400		
	nearest 1000		2000		
c	4600, 5230, 4982			3	1 mark for each correct answer, deducting 1 mark for each incorrect answer.
8. Solve number and practical problems that involve all of the above and with increasingly large positive numbers.					
a	Name of Town	Population	Rounded to nearest 1000	5	Award the mark, even if km omitted.
	Moscow	2532 km	3000 km		
	Johannesburg	8997 km	9000 km		
	New York	5637 km	6000 km		
	Karachi	6377 km	6000 km		
	Rio de Janeiro	9142 km	9000 km		
b	longest distance		Rio de Janeiro	1	
			Johannesburg		
			Karachi		
			New York		
	shortest distance		Moscow		
c	Jenny uses the rounded distances whereas Mark uses the real distances.			1	
9. Read Roman numerals to 100.					
a	8th 17th 24th			3	1 mark for each correct answer.

question	answer	marks	notes								
b		4									
c	<table><tr><td>18</td><td>XVIII</td></tr><tr><td>40</td><td>XL</td></tr><tr><td>72</td><td>LXXII</td></tr><tr><td>87</td><td>LXXXVII</td></tr></table>	18	XVIII	40	XL	72	LXXII	87	LXXXVII	4	
18	XVIII										
40	XL										
72	LXXII										
87	LXXXVII										
		Total 50									