

Name:



## Maths Assessment Year 5 Term 2: Number and Place Value

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1. Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.
2. Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.
3. Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.
4. Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.
5. Solve number problems and practical problems.
6. Read Roman numerals to 1000 and recognise years written in Roman numerals.

Name:

Date:

## Maths Assessment Year 5 Term 2: Number and Place Value

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

a) Fill in the missing boxes:

Number in digits	Number in words
	Ninety thousand and forty
213 430	
987 036	
	six hundred and three thousand, five hundred and one
	sixteen hundred and twelve

b) Order these numbers from largest to smallest:

516 009	551 900	516 090	59 005	50 999	505 909
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c) Complete the table below using the following 3 numbers:  
607 973; 706 379; 776 039 .

670 930	<	
	>	767 903
706 309	>	

5 marks

1 mark

3 marks

Total for this page

d) Circle any numbers which have a digit value of the following:

400:	34 604	206 498	440 498	644 593
7000:	87 915	789 730	927 007	630 764
9:	900 919	617 921	799 091	789 193
300 000:	458 923	34 823	3933	393 291

4 marks

2. Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.

a) Count forwards in the steps shown from each number:

Count on in steps of	Starting number				
100	34 863				
100 000	609 812				
1000	739 004				

3 marks

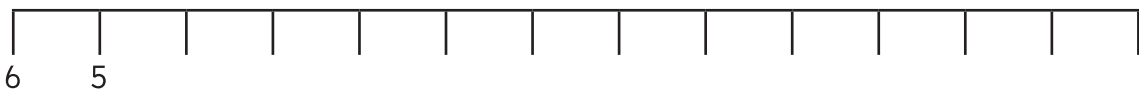
b) Count backwards in the steps shown from each number:

Count back in steps of	Starting number				
10	900,023				
10 000	121,034				
1000	4,834				

3 marks

3. Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.

a) Count backwards from 6:



1 mark

Total for this page

b) This chart shows the average temperatures in Montreal for alternate months. Order the months from coldest to warmest:

Month	Maximum temperature
February	-4° C
April	7° C
June	20° C
August	21° C
October	9° C
December	-6° C



<b>Coldest</b>
<b>Warmest</b>

c) What is the difference between the warmest monthly temperature and the coldest?



4. Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.

a) Round 908 517 to the nearest value in the following table:

	rounded to the nearest	rounded number
908 517	10	
908 517	100	
908 517	1000	
908 517	10 000	
908 517	100 000	

b) Circle the correct value to which each number is rounded:

764 356 is rounded to 760 000 when it is rounded to the nearest:

1000            10 000            100 000



1 mark



1 mark



5 marks



Total for this page

304 531 is rounded to 305 000 when it is rounded to the nearest:

100            1000            10 000

45 023 is rounded to 45 020 when it is rounded to the nearest:

100            10            1000

500 619 is rounded to 501 000 when it is rounded to the nearest:

10 000            100            1000

673 803 is rounded to 670 000 when it is rounded to the nearest:

10 000            100 000            1000

5 marks

5. Solve number problems and practical problems.

- a) The asking price for a house £269 000. An offer is made at £10 000 less than this asking price. How much is the offer?

£

1 mark

- b) The daytime temperature is 15C. The temperature falls by 21C during the night. To what temperature does it fall?

C°

1 mark

- c) A school raised £350 in a charity event, when the figure was rounded. How could the amount raised be rounded and what is the possible smallest and largest amount raised?

Rounded to the nearest £\_\_\_\_. The smallest amount could be £\_\_\_\_ and the largest £\_\_\_\_\_

2 marks

- d) What number is one thousand more than two hundred and seventeen thousand and fifty two? Write the answer in digits.

1 mark

Total for this page

6. Read Roman numerals to 1000 and recognise years written in Roman numerals.

a) Draw lines to match the following numbers to their Roman numeral equivalent:



525
52
157
319
670

CLVII
DCLXX
LII
DXXV
CCCXIX

b) The years these films were released are written in Roman numerals. Write the years in digits from earliest to latest:



Big Hero 6	MMXV
Mary Poppins	MCMLXIV
The Incredibles	MMIV
Star Wars	MCMLXXVII
Transformers	MMVII

<b>Earliest</b>
<b>Latest</b>

5 marks

3 marks

Total for this page

# Answer Sheet: Maths Assessment Year 5 Term 2: Number and Place Value



question	answer	marks	notes												
<b>1. Read, write, order and compare numbers to at least 1 000 000 and determine the value of each.</b>															
a	<table border="1"> <tr> <td><b>90,040</b></td> <td>Ninety thousand and forty</td> </tr> <tr> <td>213 430</td> <td><b>Two hundred and thirteen thousand, four hundred and thirty</b></td> </tr> <tr> <td>987 036</td> <td><b>Nine hundred and eighty seven thousand and thirty six</b></td> </tr> <tr> <td><b>603 501</b></td> <td>six hundred and three thousand, five hundred and one</td> </tr> <tr> <td><b>1612</b></td> <td>sixteen hundred and twelve</td> </tr> </table>	<b>90,040</b>	Ninety thousand and forty	213 430	<b>Two hundred and thirteen thousand, four hundred and thirty</b>	987 036	<b>Nine hundred and eighty seven thousand and thirty six</b>	<b>603 501</b>	six hundred and three thousand, five hundred and one	<b>1612</b>	sixteen hundred and twelve	up to 5 marks	When writing numbers in words, accept incorrect spellings as long as it can be decoded but don't accept just the digits written eg. three seven nine.		
<b>90,040</b>	Ninety thousand and forty														
213 430	<b>Two hundred and thirteen thousand, four hundred and thirty</b>														
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670 930	<	706 379													
776 039	>	767 903													
706 309	>	607 973													
d	206 498, 440 498 87 915, 927 007 900 919 393 291	4	1 mark for each correct row. Where there are 2 possible answers, both must have a ring around for the mark.												
<b>2. Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.</b>															
a	<table border="1"> <tr> <td>34 963</td> <td>35 063</td> <td>35 163</td> <td>35 263</td> </tr> <tr> <td>709 812</td> <td>809 812</td> <td>909 812</td> <td>1 009 812</td> </tr> <tr> <td>740 004</td> <td>741 004</td> <td>742 004</td> <td>743 004</td> </tr> </table>	34 963	35 063	35 163	35 263	709 812	809 812	909 812	1 009 812	740 004	741 004	742 004	743 004	3	
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b	<table border="1"> <tr> <td>900 013</td> <td>900 003</td> <td>899 993</td> <td>899 983</td> </tr> <tr> <td>111 034</td> <td>101 034</td> <td>91 034</td> <td>81 034</td> </tr> <tr> <td>3 834</td> <td>2 834</td> <td>1 834</td> <td>834</td> </tr> </table>	900 013	900 003	899 993	899 983	111 034	101 034	91 034	81 034	3 834	2 834	1 834	834	3	
900 013	900 003	899 993	899 983												
111 034	101 034	91 034	81 034												
3 834	2 834	1 834	834												
<b>3. Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.</b>															
a		1													
b	<table border="1"> <tr><td>December</td></tr> <tr><td>February</td></tr> <tr><td>April</td></tr> <tr><td>October</td></tr> <tr><td>June</td></tr> <tr><td>August</td></tr> </table>	December	February	April	October	June	August	1	Allow numbers to be written: <table border="1"> <tr><td>-6° C</td></tr> <tr><td>-4° C</td></tr> <tr><td>7° C</td></tr> <tr><td>9° C</td></tr> <tr><td>20° C</td></tr> <tr><td>21° C</td></tr> </table>	-6° C	-4° C	7° C	9° C	20° C	21° C
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7° C															
9° C															
20° C															
21° C															
c	27°	1													

question	answer			marks	notes
<b>4. Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.</b>					
a		rounded to the nearest	rounded number	5	1 mark for each correct answer.
	908 517	10	<b>908 520</b>		
	908 517	100	<b>908 500</b>		
	908 517	1000	<b>909 000</b>		
	908 517	10 000	<b>910 000</b>		
b	1000	<b>10 000</b>	100 000	5	1 mark for each correct answer.
	100	<b>1000</b>	10 000		
	100	<b>10</b>	1000		
	10 000	100	<b>1000</b>		
	<b>10 000</b>	100 000	1000		
<b>5. Solve number problems and practical problems that involve all of the above.</b>					
a	£259 000			1	
b	-6°C			1	
c	Nearest £10; (allow £1) £345 - £354.99 (allow £349.50 - £350.49 if rounded to £1)			2	1 mark for each correct answer.
d	218 052			1	
<b>6. Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.</b>					
a	525		→ CLVII	5	3 marks for all correct 2 marks for 1 error 1 mark for 2 errors
	52		→ DCLXX		
	157		→ LII		
	319		→ DXXV		
	670		→ CCCXIX		
b	Earliest	1964		3	3 marks for all correct 2 marks for 1 error 1 mark for 2 errors
		1977			
		2004			
		2007			
	Latest	2015			
				Total 45	