Name:

Maths Assessment Year 4: Number and Place Value

1. Count in multiples of 6, 7, 9, 25 and 1 000; find 1 000 more or less than a given number.
2. Find 1,000 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 1,000.
6. Identify, represent and estimate numbers using different representations. Read and write numbers up to 1,000 in numerals and in words.
7. Round any number to the nearest 10, 100 or 1,000.
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:

50 total marks

Maths Assessment Year 4: Number and Place Value

1. Count in multiples of 6, 7, 9, 25 and 1 000; find 1 000 more or less than a given number.

Fill in the missing boxes:

6		18		30	36	
	14		28		42	49
9			36	45		
	50	75			150	

4 marks

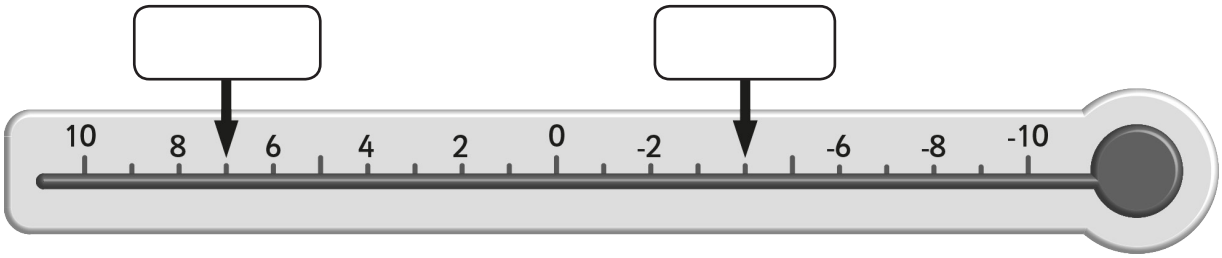
2. Find 1,000 more or less than a given number.

1,000 less		1000 more
	1,026	
	14,321	

2 marks

3. Count backwards through zero to include negative numbers.

a) Some of the numbers on the thermometer have been rubbed off, can you fill in the missing numbers?



2 marks

b) Continue counting backwards in steps of 3.

6	3				

1 mark

Total for this page

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

In each number say the value of the underlined digit:

number	value of underlined digit
3,4<u>7</u>8	
<u>2</u>,099	
6,21<u>9</u>	
8,<u>7</u>23	

4 marks

5. Order and compare numbers beyond 1,000.

a) Order the following numbers from smallest to greatest.

6,977	8,432	1,032	9,321	2,854	6,782

1 mark

b) Compare the numbers below using < > or =

	< > or =	
3,499		3,944
4,058		4,058
12,688		8,901
5,006		5,066
11,347		11,307

2 marks

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

On each number line draw an arrow approximately where each number would be

a) 75

0 **100**

2 marks

b) 650

0 **1000**

Total for this page

c) Fill in the missing boxes

Number in digits	Number in words
379	
	Six hundred and seven
511	
	Nine hundred and sixty two
309	

5 marks

7. Round any number to the nearest 10, 100 or 1,000.

a) Round these numbers to the nearest 10

23	
155	
1,366	

3 marks

b) Round these numbers to the nearest 100

567	
2,338	
12,445	

3 marks

c) Round these numbers to the nearest 1000

3,362	
11,499	
216,733	

3 marks

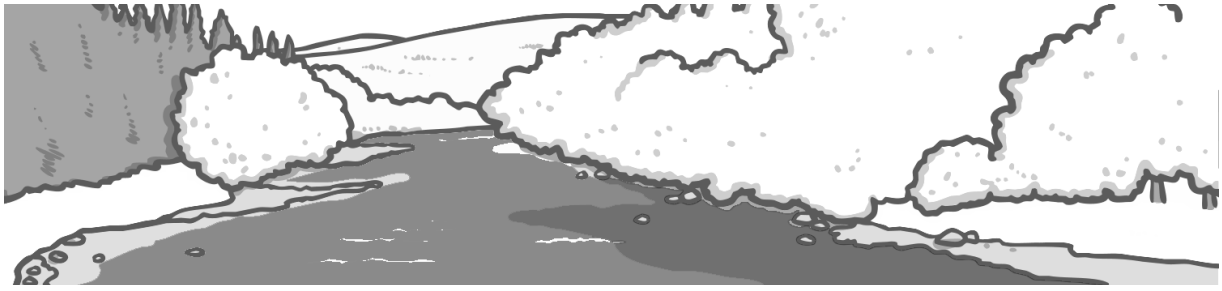
Total for this page

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

Here is a list of the length of some of the greatest rivers in the world.

Name of river	Length	Rounded to the nearest 1000km
Congo	4,700 km	
Amazon	6,400 km	
Nile	6,695 km	
Indus	3,180 km	
Yellow River	6,650 km	

5 marks



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

b) Order the names of the rivers from the longest to the shortest.

longest river	
↓	
↓	
↓	
shorter river	

1 mark

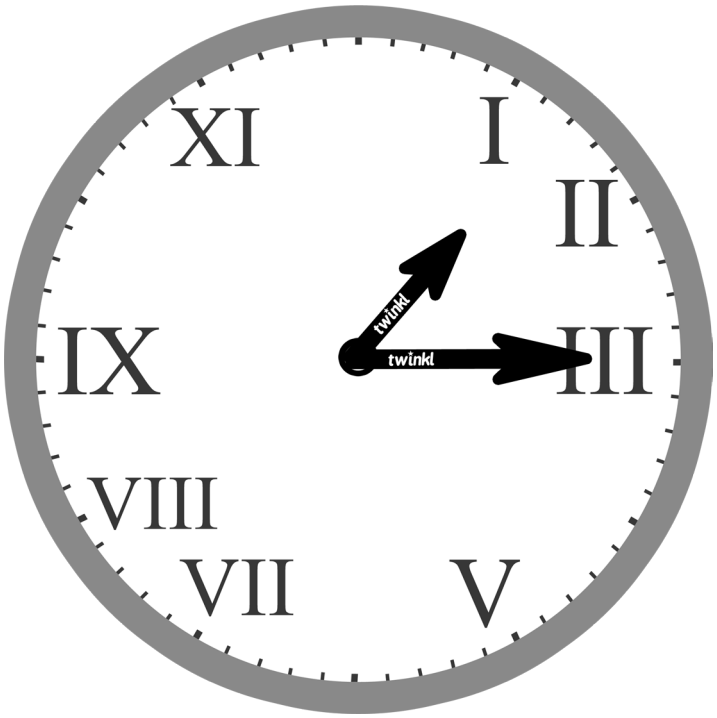
c) How much shorter is the Yellow River than the Nile? Show your working in the box below.

answer: _____ km

1 mark

Total for this page

9. Read Roman Numerals to 100.



4 marks

a) Some of the Roman numerals on the clock above are missing, fill them in.

b) What are these Roman numerals?

XX	
L	
C	
XXIV	
LXXIII	
LIX	
XXXVI	

7 marks

Total for this page

<table>
<tr><th>question</th><th>answer</th><th>marks</th><th>notes</th></tr>
<tr><td colspan="4">1. Count in multiples of 6, 7, 9, 25 and 1,000.</td></tr>
<tr><td rowspan="4"></td><td rowspan="4"><table>
<tr><td>6</td><td>12</td><td>18</td><td>24</td><td>30</td><td>36</td><td>42</td></tr>
<tr><td>7</td><td>14</td><td>21</td><td>28</td><td>35</td><td>42</td><td>49</td></tr>
<tr><td>9</td><td>18</td><td>27</td><td>36</td><td>45</td><td>54</td><td>63</td></tr>
<tr><td>25</td><td>50</td><td>75</td><td>100</td><td>125</td><td>150</td><td>175</td></tr>
</table></td><td rowspan="4">4</td><td>All 3 correct for mark</td></tr>
<tr><td>All 3 correct for mark</td></tr>
<tr><td>All 4 correct for mark</td></tr>
<tr><td>All 4 correct for mark</td></tr>
<tr><td colspan="4">2. Find 1,000 more or less than a given number.</td></tr>
<tr><td></td><td><table>
<tr><td>1,000 less</td><td></td><td>1,000 more</td></tr>
<tr><td>26</td><td>1,026</td><td>2,026</td></tr>
<tr><td>13,321</td><td>14,321</td><td>15,321</td></tr>
</table></td><td>2</td><td>Both answers on each row correct for 1 mark</td></tr>
<tr><td colspan="4">3. Count backwards through zero to include negative numbers.</td></tr>
<tr><td>a</td><td>Numbers correctly placed on the thermometer at -4 and 7</td><td>2</td><td>One mark each number</td></tr>
<tr><td>b</td><td><table>
<tr><td>6</td><td>3</td><td>0</td><td>-3</td><td>-6</td><td>-9</td></tr>
</table></td><td>1</td><td>All correct for mark</td></tr>
<tr><td colspan="4">4. Recognise the place value of each digit in a four digit number.</td></tr>
<tr><td></td><td><table>
<tr><td>34<u>7</u>8</td><td>70 or 7 tens</td></tr>
<tr><td><u>2</u>099</td><td>2000 or 2 thousand</td></tr>
<tr><td>621<u>9</u></td><td>9 or 9 units/ones</td></tr>
<tr><td>8<u>7</u>23</td><td>700 or 7 hundred</td></tr>
</table></td><td>4</td><td></td></tr>
<tr><td colspan="4">5. Order and compare numbers beyond 1,000.</td></tr>
<tr><td>a</td><td>1,032 2,854 6,782 6,977 8,432 9,321</td><td>1</td><td></td></tr>
<tr><td>b</td><td><table>
<tr><td>3 499</td><td><</td><td>3 944</td></tr>
<tr><td>4 058</td><td>=</td><td>4 058</td></tr>
<tr><td>12 688</td><td>></td><td>8 901</td></tr>
<tr><td>5 006</td><td><</td><td>5 066</td></tr>
<tr><td>11 347</td><td>></td><td>11 307</td></tr>
</table></td><td>2</td><td>All to be correct to get 2 marks. Award 1 mark if one error</td></tr>
<tr><td colspan="4">6. Identify, represent and estimate numbers using different representations. Read and write numbers up to 1000 in numerals and words.</td></tr>
<tr><td>a</td><td>Arrow drawn approximately ¾ along</td><td>1</td><td></td></tr>
<tr><td>b</td><td>Arrow drawn between ½ and ¾ , nearer to ¾</td><td>1</td><td></td></tr>
</table>

<table>
<tr><th>question</th><th>answer</th><th>marks</th><th>notes</th></tr>
<tr><td>c</td><td><table>
<tr><td>379</td><td>Three hundred and seventy nine</td></tr>
<tr><td>607</td><td>Six hundred and seven</td></tr>
<tr><td>511</td><td>Five hundred and eleven</td></tr>
<tr><td>962</td><td>Nine hundred and sixty two</td></tr>
<tr><td>309</td><td>Three hundred and nine</td></tr>
</table></td><td>5</td><td>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</td></tr>
<tr><td colspan="4">7. Round any number to the nearest 10, 100 or 1,000.</td></tr>
<tr><td>a</td><td><table>
<tr><td>23</td><td>20</td></tr>
<tr><td>155</td><td>160</td></tr>
<tr><td>1,366</td><td>1,370</td></tr>
</table></td><td>3</td><td></td></tr>
<tr><td>b</td><td><table>
<tr><td>567</td><td>600</td></tr>
<tr><td>2,338</td><td>2,300</td></tr>
<tr><td>12,445</td><td>12,400</td></tr>
</table></td><td>3</td><td></td></tr>
<tr><td>c</td><td><table>
<tr><td>3,362</td><td>3,000</td></tr>
<tr><td>11,499</td><td>11,000</td></tr>
<tr><td>216,733</td><td>217,000</td></tr>
</table></td><td>3</td><td></td></tr>
<tr><td colspan="4">8. Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</td></tr>
<tr><td>a</td><td><table>
<tr><td>Congo</td><td>4 700 km</td><td>5 000 km</td></tr>
<tr><td>Amazon</td><td>6 400 km</td><td>6 000 km</td></tr>
<tr><td>Nile</td><td>6 695 km</td><td>7 000 km</td></tr>
<tr><td>Indus</td><td>3 180 km</td><td>3 000 km</td></tr>
<tr><td>Yellow River</td><td>6 650 km</td><td>7 000 km</td></tr>
</table></td><td>5</td><td>Award the mark, even if km omitted</td></tr>
<tr><td>b</td><td><table>
<tr><td>longest river</td><td>Nile</td></tr>
<tr><td></td><td>Yellow River</td></tr>
<tr><td></td><td>Amazon</td></tr>
<tr><td></td><td>Congo</td></tr>
<tr><td>shortest river</td><td>Indus</td></tr>
</table></td><td>1</td><td></td></tr>
<tr><td>c</td><td>45km</td><td>1</td><td></td></tr>
<tr><td colspan="4">9. Read Roman Numerals to 100.</td></tr>
<tr><td>a</td><td>IV (at 4)
VI (at 6)
X (at 10)
XII (at 12)</td><td>4</td><td></td></tr>
<tr><td>b</td><td>XX - 20, L - 50, C - 100, XXIV - 24
LXXIII - 73, LIX - 59, XXXVI - 36</td><td>7</td><td></td></tr>
<tr><td colspan="2"></td><td>Total
50</td><td></td></tr>
</table>