

Maths Assessment Year 5: 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		
	Thirty thousand, three hundred and five		
370 350			
12 009			
	Sixty-two thousand, five hundred and eleven		
101 220			

b. Order these numbers from largest to smallest:

23 004	16 210	10 050	42 901	42 781	18 656	1 marks

c. Compare the numbers below using < or > .

	< or >	
12 451		12 541
45 007		43 091
123 432		121 445

d. In each number say the value of the underlined digit:

number	value of the underlined digit
123 <u>4</u> 53	
<u>5</u> 40 238	
54 8 <u>9</u> 1	
7 <u>4</u> 3 211	





total for this page

3 marks

4 marks

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

 10
 12 458

 100
 123 434

 1000
 321 212
 - a. Count forwards in the steps shown from each number:

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

count back in steps of	starting number			
10	21 482			
100	451 671			
1000	219 398			ļ

- 3. Interpret negative numbers in context, count forwards and backwards with
 - positive and negative whole numbers, including through zero.
 - a. Fill in the missing numbers on this number line:

-8	8 -	7		4	-	2	C)	2	2 3	; Z	ł

b. This chart shows the temperatures of different cities around the world. Order the cities from coldest to warmest:

City	maximum temperature	
Palma	21° C	
London	13° C	
Vostok	-3° C	
Mumbai	30° C	
Calgary	-11° C	
Moscow	5° C	(

coldest
warmest
 warmest



1 mark

3 marks

c. How much colder is it in Calgary than London?

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

41 236	
876 212	

b. Round these numbers to the nearest 100:

32 134	
174 865	

c. Round these numbers to the nearest 1000:

42 379	
812 532	

d. Round these numbers to the nearest 10 000:

78 890	
321 432	

e. Round these numbers to the nearest 100 000:

524 100	
669 210	

total for this page

1 mark

2 marks

2 marks

2 marks

2 marks

5. Solve number problems and practical problems.

Planet	Diameter	Time taken to orbit the Sun	Time taken to rotate on its axis
Mercury	4 876 km	88 days	33 408 minutes
Venus	12 107km	225 days	349 920 minutes
Earth	12 755 km	365 days	1440 minutes
Mars	6 794 km	687 days	1440 minutes
Saturn	120 536 km	10 759 days	240 minutes
Neptune	49 527 km	60 190 days	384 minutes

This table shows information about some of the planets:

Look at the table above.

Answer these problems about the planets:

a. Order the planets by diameter size, starting with the smallest:



largest in diameter

b. Circle True or False for each planet, when rounded to the nearest 100 days to orbit the Sun:

Mercury: 100 days	True or False
Venus: 220 days	True or False
Earth: 360 days	True or False
Mars: 700 days	True or False
Saturn: 10 700 days	True or False
Neptune: 60 200 days	True or False

total for this page



1 mark

Jassi says that it takes Venus 31 512 more minutes to rotate on its axis than Mercury. Do you think this seems a sensible answer?
 Don't do the actual calculation but show an approximation to show whether this is a sensible answer or not.

Sensible answer: Yes / No (Circle)

Approximation to show why you think this:

- 6. Read Roman numerals to 1000 and recognise years written in Roman numerals.
 - a. Fill in missing numbers

350	
	DLV
212	
	CCLIII
419	



b. The years these films were released are written in Roman numerals.Write the years how you would usually write them in digits:

Jetsons: the Movie	МСМХС	
Shrek	MMI	
Frozen	MMXIII	





total for this page

take

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END OF TEST

1 mark

5 marks