

Year 6 Place Value Practice Test

25 KS2 SATs Questions and Mark Scheme: Arithmetic and Reasoning

First name	
Last name	
Class	
Score	/ 25

Instructions

You **may not** use a calculator to answer any questions in this test.

Questions and answers

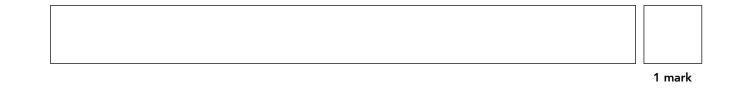
- Follow the instructions for each question.
- Work as quickly and as carefully as you can.
- If you need to do working out, you can use the space around the question.
- Do not write over any barcodes.
- For these questions, you may get a mark for showing your method.
- If you cannot do a question, **go on to the next one**.
- You can come back to it later, if you have time.
- If you finish before the end, **go back and check your work**.

Marks

• The number under each line at the side of the page tells you the maximum number of marks for each question.

1

Write the number **three million**, **twenty five thousand and seventeen** in figures.



2 What is the value of the digit 7 in this number? **370,423**



Write this number in words: **8,001,500**

3



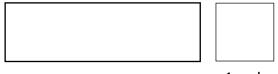
1 mark

4 Write down the value of this Roman numeral: MMCDXV



5 **295,362** is partitioned (expanded). Fill in the missing numbers:

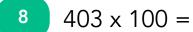
What number is exactly 40,000 bigger than **1,120,107**?



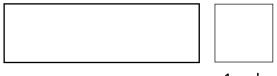
7 Write the number that is **300,000 less 8 million**



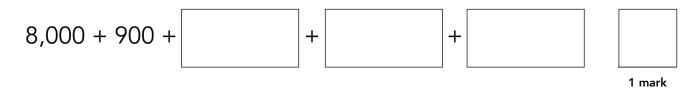
1 mark



9 What is the value of the digit 3 in this number? 405.123



10 8902.55 is partitioned (expanded). Fill in the missing numbers

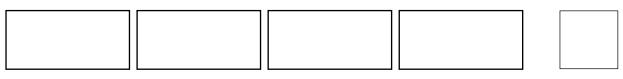


11 The population of a country is 7,350,361. If it increases by **800,000 over the next 5 years**, what will be the population in 5 years?

12 How many times greater is the value of the digit 8 in <u>8,423,025</u> than the value of the digit 8 in <u>3,086,504</u>?

13 Place these numbers in ascending order

101,111 1,011,101 100,999 110,001



1 mark

14 Insert the symbol < or > in the missing space to make this statement correct





15 Which number lies exactly halfway between **21,033** and **21,039**?

16 Round **5,829,051** to the nearest 10,000

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17 How many times smaller is the value of the digit 2 in **578,209** than the value of the digit 2 in **256,414**?

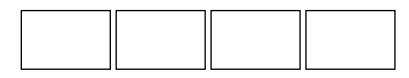
18 Circle two numbers that add together to equal 0.45

0.4 0.5 0.41 0.05

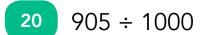
1 mark

19 Order these numbers in descending order

4.01 4.6 4.16 4.101







	1 mark

21 Write the number that is **exactly 3 less** than ten million



22 Which number lies exactly halfway between **18.7 and 18.8**?

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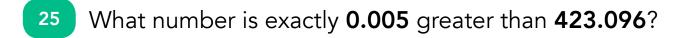
23 What is the difference between **403.6** and **403.54**?

		1
		1
		1
		1
		1
		1
		1
		1



Round **35.72** to the nearest one decimal place





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The instructions and principles of this mark scheme closely follow the guidance in the 2016 national curriculum tests. We have deliberately not set a limited time for the test paper as a teacher may want to very it according to the standard individual children are working at.

The national curriculum test allows 40 minutes to complete this test.

Q	Required answer	Mark	Acceptable answer or additional guidance	Content Domain Ref	NC strand	
1	3,025,017	1m		6N2	Number	
2	70,000	1m	Accept 7 ten thousands or 70 thousands	5N3a	Number	
3	Eight million, one thousand and five	1m		6N2	Number	
	hundred					
4	2,415	1m		5N3b	Number	
5	200,000 and 300	1m	Accept numbers written in either order	5N3a	Number	
6	1,160,107	1m		6N3	Number	
7	7,700,000	1m		6N6	Number	
8	40,300	1m		5C6b	Calculations	
9	0.003 or 3 thousandths	1m		5F6b	Fractions	
10	2 + 0.5 + 0.05	1m	Accept the three numbers written in any order	6F9a	Fractions	
11	8,150,361	1m		6N6	Number	
12	100 times bigger	1m	Accept 10 x 10 bigger	6N6	Number	
13	100,999 101,111 110,001	1m		5N2	Number	
	1,011,101					
14	<	1m	Accept 'Less than'	5N5	Number	
15	21,036	1m		5N6	Number	
16	5,830,000	1m		6N4	Number	
17	1000 times smaller	1m	Accept 10 x 10 x 10 smaller	5N6	Number	
18	Circled 0.4 and 0.05	1m		5F6a	Fractions	

Q	Required answer	Mark	Acceptable answer or additional guidance	Content Domain Ref	NC strand	
19	4.6 4.16 4.101 4.01	1m		5F8	Fractions	
20	0.905	1m		6F9a	Fractions	
21	9,999,997	1m		6N6	Number	
22	18.75	1m		5F10	Fractions	
23	0.06	1m		5F8	Fractions	
24	35.7	1m		5F7	Fractions	
25	423.101	1m		5F10	Fractions	