

Year 6 Place Value Practice Test

25 KS2 SATs Questions and Mark Scheme: Arithmetic and Reasoning

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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	
		1 mark

3	Write this number in words: 8,001,500		
		1	l mark

4	Write down the value of this Roman numeral: MMCDXV	
		1 mark

5

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

6	What number is exactly 40,000 big 1,120,107 ?	gger than	
			1 mark

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

8	40

8 403 x 100 =

9	What is the value of the digit 3 i 405.123	in th	is number?		
				1 m	ark



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?	
		1 mark

12	How many times greater is the value of the digit 8 in	
	8,423,025 than the value of the digit 8 in 3,086,504 ?	
		1 mark

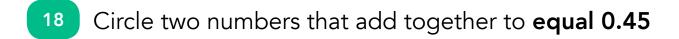
13	Place these nu	mbers in asce	ending order		
	101,111	1,011,101	100,999	110,001	
		1			1
					1 mark

Insert the symbol < or > in the missing space to make this statement correct				
-2716				

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

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

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 ?



0.4 0.5 0.41 0.05

19	Order these	e numbei	rs in de	escendir	ng order		
		4.01	4.6	4.16	4.101		
	_					1	
							1 mark

20	
20	

905 ÷ 1000

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

22	Which number lies exactly halfway between
	18.7 and 18.8?

23	What is the difference between 403.6 and 403.54?					
			1 mark			

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

'	
<u></u>	
	1 mark

25	What number is exactly 0.005 greater than 423.096 ?	
		1 mark

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.

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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 hundred	1m		6N2	Number
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 1,011,101	1m		5N2	Number
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

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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	

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