



**THIRD SPACE  
LEARNING**

# Place Value SATs Question Pack

**25 KS2 SATs Questions and  
Mark Scheme: Arithmetic  
and Reasoning**

**Year 6**

Name: .....

Class: .....

School: .....

Score: .....

## 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.
- 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.

☐

1 mark

- 
- 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 mark

- 
- 4 Write the value of this Roman numeral:  
**MMCDXV**

☐

1 mark

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

$$\boxed{\phantom{00000}} + 90,000 + 5,000 + \boxed{\phantom{00000}} + 60 + 2$$

1 mark

---

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

1 mark

---

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

1 mark

---

- 8  $403 \times 100 =$

1 mark

---



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

405.123

1 mark

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

8,000 + 900 +

+

+

1 mark

- 
- 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 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

-27        -16

1 mark

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

1 mark

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

1 mark

- 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**?

☐

1 mark

- 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

- 20  $905 \div 1,000 =$

☐

1 mark

**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**?

☐

1 mark

---

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

☐

1 mark

---

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

☐

1 mark

---

25 What number is exactly 0.005 greater than 423.096?

☐

1 mark

## Mark Scheme

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 vary it according to the standard individual children are working at.

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

## Answers

Question Number	Requirement	Mark	Acceptable answer or additional guidance	Content Domain Ref	NC strand
1	3,025,017	1m		6N2	Number
2	70,000	1m	<b>Accept</b> 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	<b>Accept</b> 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	Calculation
9	0.003 or 3 thousandths	1m		5F6b	Fractions
10	$2 + 0.5 + 0.05$	1m	<b>Accept</b> the three numbers written in any order	6F9a	Fractions
11	8,150,361	1m		6N6	Number




## Key Stage 2 SATs Mark Scheme | Place Value

Question Number	Requirement	Mark	Acceptable answer or additional guidance	Content Domain Ref	NC strand
12	100 times bigger	1m	<b>Accept</b> 10 x 10 bigger	6N6	Number
13	100,999; 101,111; 110,001; 1,011,101	1m		5N2	Number
14	<	1m	<b>Accept</b> 'Less than'	5N5	Number
15	21,036	1m		5N6	Number
16	5,830,000	1m		6N4	Number
17	1,000 times smaller	1m	<b>Accept</b> 10 x 10 x 10 smaller	5N6	Number
18	Circled 0.4 and 0.05	1m		5F6a	Fractions
19	4.6; 4.16; 4.101; 4.01	1m		5F8	Fractions
20	0.905	1m		5F8	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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