Steady Steps Maths

FREE UNIT TEST · TOPIC 3

FREE SAMPLE · UNIT TEST A

Place Value & Rounding

Unit Test A · 40 marks · about 40 minutes

GRADE 4



Common Core 4.NBT.A.1–3

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Name _____ Date _____

UNIT TEST A

Place Value & Rounding

40 marks · about 40 minutes · Common Core 4.NBT.A.1–3

Name _____ **Date** _____

Instructions

- Answer **every** question in the space given.
- Show your working: in Sections B and C you get marks for your method, even if the final answer is wrong.
- The number in brackets, like [2], shows how many marks a question is worth.
- You have about 40 minutes. A calculator is **not** needed.
- Check your answers if you finish early.

Your score

Section	Questions	Marks	Your score
A · Quick questions	1–10	10	
B · Show your working	11–16	17	
C · Problem solving	17–18	13	
Total		**40**	

Percentage: _____ % 85%+ excellent · 65–84% good · 45–64% keep practising · below 45% revise the packs first

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SECTION A

Quick questions

1 mark each · write your answer in the box

1 What is the value of the digit 2 in 624,097? [1]

Answer

2 Work out 10 × 9,600. [1]

Answer

3 Work out 7,000 ÷ 70. [1]

Answer

4 Write the number: 8 hundred thousands, 4 thousands, 9 tens. [1]

Answer

5 Write in digits: eight hundred thousand, six hundred fifty-six. [1]

Answer

6 Write 73,406 in expanded form. [1]

Answer

7 Write >, < or = : 557,403 ___ 554,703 [1]

Answer

8 Round 5,046 to the nearest hundred. [1]

Answer

9 Round 62,312 to the nearest ten thousand. [1]

Answer

10 Round 786,551 to the nearest hundred thousand. [1]

Answer

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SECTION B Show your working

Marks are given for your method

11 Look at the number 77,308. How many times as much is the first 7 worth as the second 7? Write the value of each 7. [2]

Answer

12 For the number 976,052: [3]
(a) Write it in words. (b) Write it in expanded form. (c) What is the value of the digit 7?

Answer

13 (a) Write these numbers in order from least to greatest: 44,423, 44,493, 44,093, 49,493 [3]
(b) Write a number that is between the two greatest numbers.

Answer

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14 Round 72,921 to the nearest: (a) ten (b) hundred (c) thousand [3]

Answer

15 A whole number rounds to 4,000 when it is rounded to the nearest hundred. What is the smallest it could be? What is the largest it could be? [2]

Answer

16 Ahmed rounded 22,637 to the nearest thousand and wrote 22,000. (a) What mistake did Ahmed make? (b) What is the correct answer? (c) Round 22,637 to the nearest ten thousand. [4]

Answer

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SECTION C Problem solving

Longer questions with several steps

17 Three towns have these populations: Al Nour 95,939, Hilltop 44,049, Riverside 94,443. [7]

(a) Write the population of Al Nour in words.

(b) Write the towns in order from the greatest population to the least.

(c) Round each population to the nearest thousand.

(d) A city has 10 times as many people as the smallest town. How many people live in the city?

Answer

18 Use each of the digit cards **6 8 9 7 2 0** once to make 6-digit numbers. [6]

(a) Make the greatest number. (b) Make the smallest number. (c) Round your answer to (a) to the nearest ten thousand.

(d) Make the number that is as close to 500,000 as possible.

Answer

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Mark scheme

For parents · give the marks shown; method marks can be given even if the final answer is wrong

Tip: Give method marks generously when the working shows the right idea. If a mistake early on is carried through correctly, give the later marks.

Q	Answer	Marks	How to award the marks
1	20,000	1	
2	96,000	1	
3	100	1	
4	804,090	1	
5	800,656	1	
6	70,000 + 3,000 + 400 + 6	1	
7	557,403 > 554,703	1	
8	5,000	1	
9	60,000	1	
10	800,000	1	
11	10 times (70,000 and 7,000)	2	1 mark for both values; 1 mark for 10 times.
12	(a) nine hundred seventy-six thousand, fifty-two (b) 900,000 + 70,000 + 6,000 + 50 + 2 (c) 70,000	3	1 mark each part.
13	(a) 44,093, 44,423, 44,493, 49,493 (b) e.g. 44,494	3	(a) 2 marks (1 if one is out of place). (b) 1 mark: any number between 44,493 and 49,493.
14	(a) 72,920 (b) 72,900 (c) 73,000	3	1 mark each part.
15	smallest 3,950, largest 4,049	2	1 mark each.
16	(a) The hundreds digit 6 is 5 or more, so round up. (b) 23,000 (c) 20,000	4	(a) 1 mark. (b) 2 marks: 1 for looking at the hundreds digit. (c) 1 mark.
17	(a) ninety-five thousand, nine hundred thirty-nine (b) Al Nour, Riverside, Hilltop (c) 96,000, 44,000, 94,000 (d) 440,490	7	(a) 1. (b) 2 (1 if two are swapped). (c) 2 (1 if one is wrong). (d) 2: 1 for 10 × the smallest population.
18	(a) 987,620 (b) 206,789 (c) 990,000 (d) 602,789	6	(a) 1. (b) 2: 1 for 0 in the second place. (c) 1 (follow through). (d) 2: 1 for the right first digit.

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What to revise

Circle the questions your child lost marks on, then go back to the matching part of the pack

Questions	Skill	Revise in	✓ / ×
1	Digit values	Pack 1 · Place Value to 1,000,000, Part 1	
2, 11	Ten times as much	Pack 1 · Place Value to 1,000,000, Part 2	
3	Dividing with place value	Pack 1 · Place Value to 1,000,000, Part 3	
4	Building numbers	Pack 1 · Place Value to 1,000,000, Part 4	
5, 6, 12	Words, digits and expanded form	Pack 2 · Reading, Writing & Comparing Numbers, Parts 1 and 2	
7	Comparing numbers	Pack 2 · Reading, Writing & Comparing Numbers, Part 3	
8, 9, 14	Rounding to 10, 100, 1,000 and 10,000	Pack 3 · Rounding Whole Numbers, Parts 1 and 2	
10, 16	Rounding to any place	Pack 3 · Rounding Whole Numbers, Part 3	
13	Ordering numbers	Pack 2 · Reading, Writing & Comparing Numbers, Part 4	
15	Thinking about rounding	Pack 3 · Rounding Whole Numbers, Part 4	
17	Words, ordering, rounding, ten times	Pack 2 · Reading, Writing & Comparing Numbers, Parts 1 and 4 and Pack 3 · Rounding Whole Numbers, Part 2	
18	Building, comparing and rounding	Pack 1 · Place Value to 1,000,000, Part 4 and Pack 3 · Rounding Whole Numbers, Part 3	

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