Steady Steps Maths

FREE UNIT TEST · TOPIC 6

FREE SAMPLE · UNIT TEST A

Adding & Subtracting within 1000

Unit Test A · 40 marks · about 40 minutes

GRADE 2



Common Core 2.NBT.B.7–9

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UNIT TEST A Adding & Subtracting within 1000

40 marks · about 40 minutes · Common Core 2.NBT.B.7 · 2.NBT.B.8 · 2.NBT.B.9

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 10 more than 309? [1]
Answer

2 What is 100 less than 254? [1]
Answer

3 What is 10 less than 503? [1]
Answer

4 127 + 500 = ☐ [1]
Answer

5 263 + 410 = ☐ [1]
Answer

6 159 + 273 = ☐ [1]
Answer

7 858 − 427 = ☐ [1]
Answer

8 425 − 109 = ☐ [1]
Answer

9 ☐ + 100 = 466 [1]
Answer

10 500 − 120 = ☐ [1]
Answer

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SECTION B Show your working

Marks are given for your method

11 Use the column method to work out 387 + 459. [2]

	H	T	O
	3	8	7
+	4	5	9

Answer

12 (a) Use the column method to work out 904 – 367. (b) Check your answer by adding. [3]

	H	T	O
	9	0	4
–	3	6	7

Answer

13 Work out 373 + 215 by place value. [3]
(a) Add the hundreds. (b) Add the tens. (c) Add the ones, then write the total.

Answer

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14 Continue each pattern. [3]

(a) Add 10 each time: 371, 381, 391, ☐, ☐ (b) Take away 100 each time: 708, 608, ☐, ☐

Answer

15 Zaid says 10 more than 397 is 307. Is Zaid right? Explain and write the right answer. [2]

Answer

16 (a) Explain why 147 + 531 = 678 using hundreds, tens and ones. (b) 678 − 531 = ☐ (c) 678 − 147 = ☐ [4]

Answer

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SECTION C Problem solving

Longer questions with several steps

17 A school has 465 children. Then 167 more children join. [7]
(a) How many children are in the school now? (b) 329 children go on a trip. How many stay at school?
(c) Is the number who stay more or less than 300? By how much?

Answer

18 A library had 527 books. It bought some new books and now has 746 books. [6]
(a) Write an equation with ☐ for the number of new books, then find it.
(b) 300 books are lent out. How many books are left on the shelves? (c) The library wants 500 books on the shelves. How many more books does it need?

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	319	1	
2	154	1	
3	493	1	
4	627	1	
5	673	1	
6	432	1	
7	431	1	
8	316	1	
9	366	1	
10	380	1	
11	846	2	1 mark for regrouping correctly (ones and tens); 1 mark for the answer.
12	(a) 537 (b) 537 + 367 = 904	3	(a) 2 marks: 1 for exchanging across the zero correctly, 1 for the answer. (b) 1 mark.
13	(a) 300 + 200 = 500 (b) 70 + 10 = 80 (c) 3 + 5 = 8; total 588	3	1 mark each part.
14	(a) 401, 411 (b) 508, 408	3	(a) 2 marks: 1 for each number (watch the crossing of the hundred). (b) 1 mark for both.
15	No: 10 more crosses the hundred, so it is 407.	2	1 mark for “no” with a reason (crossing the hundred); 1 mark for 407.
16	(a) 6 hundreds, 7 tens, 8 ones = 678 (b) 147 (c) 531	4	(a) 2 marks: 1 for adding each place, 1 for putting it together. (b) 1 mark. (c) 1 mark.
17	(a) 465 + 167 = 632 (b) 632 − 329 = 303 (c) more: 303 − 300 = 3 more	7	(a) 2 marks: 1 for adding, 1 for the answer. (b) 2 marks. (c) 3 marks: 1 for more/less, 1 for subtracting, 1 for the answer. Follow through.
18	(a) 527 + ☐ = 746 (or 746 − 527 = ☐); ☐ = 219 (b) 746 − 300 = 446 (c) 500 − 446 = 54	6	2 marks each part: 1 for the method (or equation), 1 for the answer. Follow through.

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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	10 more and 10 less	Pack 1 · Adding & Subtracting 10 and 100, Part 1	
2	100 more and 100 less	Pack 1 · Adding & Subtracting 10 and 100, Part 2	
3, 15	Crossing a hundred	Pack 1 · Adding & Subtracting 10 and 100, Part 3	
4	Adding hundreds and tens	Pack 2 · Adding within 1000, Part 1	
5, 13	Adding by place value	Pack 2 · Adding within 1000, Part 2	
6, 11	The column method	Pack 2 · Adding within 1000, Part 3	
7	Subtracting by place value	Pack 3 · Subtracting within 1000, Part 2	
8	The column method	Pack 3 · Subtracting within 1000, Part 3	
9	Missing numbers	Pack 1 · Adding & Subtracting 10 and 100, Part 4	
10	Taking away hundreds and tens	Pack 3 · Subtracting within 1000, Part 1	
12	Column method and checking	Pack 3 · Subtracting within 1000, Parts 3 and 4	
14	10 and 100 more or less	Pack 1 · Adding & Subtracting 10 and 100, Parts 1–3	
16	Explain your way	Pack 2 · Adding within 1000, Part 4 and Pack 3 · Subtracting within 1000, Part 4	
17	Add and subtract in steps	Pack 2 · Adding within 1000, Pack 3 · Subtracting within 1000	
18	Add and subtract in steps	Pack 2 · Adding within 1000, Pack 3 · Subtracting within 1000 and Pack 1 · Adding & Subtracting 10 and 100	

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