Steady Steps Maths
FREE UNIT TEST · TOPIC 4

FREE SAMPLE · UNIT TEST A

Place Value & Operations to 1000

Unit Test A · 40 marks · about 40 minutes

GRADE 3



Common Core 3.NBT.A.1–3

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UNIT TEST A Place Value & Operations to 1000

40 marks · about 40 minutes · Common Core 3.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. Round 32 to the nearest ten. [1]
Answer

2. Round 401 to the nearest hundred. [1]
Answer

3. Round 645 to the nearest ten. [1]
Answer

4. Work out 420 + 100 [1]
Answer

5. Work out 254 + 129 [1]
Answer

6. Work out 617 − 210 [1]
Answer

7. Count up to find 313 − 297 [1]
Answer

8. Work out 3 × 50 [1]
Answer

9. Find the missing number: 5 × ☐ = 200 [1]
Answer

10. Find the missing number: 386 + ☐ = 672 [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 246 + 196. [2]

Answer

12 Use the column method to work out 901 − 267. Then check with an addition. [3]

Answer

13 (a) Round 831 to the nearest 10. (b) Round 831 to the nearest 100. (c) Which rounded number is closer to 831? [3]

Answer

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14 Karim buys 6 boxes. Each box holds 70 pins. [3]
(a) Write a multiplication. (b) How many pins altogether? (c) Which basic fact helped you?

Answer

15 Huda says 594 + 204 = 998. Round both numbers to the nearest hundred to check. Is Huda's answer reasonable? [2]

Answer

16 A school has 926 books. 216 are in the library. The rest are in classrooms. [4]
(a) Write an equation with ☐ for the unknown. (b) How many books are in classrooms? (c) Check your answer.

Answer

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SECTION C Problem solving

Longer questions with several steps

17 A farm sold 232 eggs on Monday, 253 eggs on Tuesday and 296 eggs on Wednesday. [7]

(a) How many eggs were sold on Monday and Tuesday together?

(b) How many eggs were sold in the three days?

(c) The farm wanted to sell 1000 eggs. How many more eggs did it need to sell?

(d) Round each day to the nearest hundred to check (b).

Answer

18 A cinema has 8 rows with 40 seats in each row downstairs, and 3 rows with 40 seats in each row upstairs. [6]

(a) How many seats are downstairs? (b) How many seats are upstairs?

(c) How many more seats are downstairs than upstairs?

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	30	1	
2	400	1	
3	650 (5 rounds up)	1	
4	520	1	
5	383	1	
6	407	1	
7	16	1	
8	150	1	
9	40	1	
10	286	1	
11	442	2	1 mark for setting out in columns with carried digits; 1 mark for the answer.
12	634; check 634 + 267 = 901	3	1 mark for regrouping correctly; 1 mark for the answer; 1 mark for the check.
13	(a) 830 (b) 800 (c) 830 (only 1 away)	3	1 mark each part.
14	(a) 6 × 70 (b) 420 (c) 6 × 7 = 42	3	1 mark each part.
15	600 + 200 = 800; no, it is far from 800 (594 + 204 = 798)	2	1 mark for the estimate; 1 mark for the right judgement with a reason (close to or far from the estimate).
16	(a) any correct equation, e.g. 216 + ☐ = 926 or 926 − 216 = ☐ (b) 710 (c) 710 + 216 = 926	4	(a) 1 mark. (b) 2 marks: 1 for a correct method. (c) 1 mark.
17	(a) 485 (b) 781 (c) 219 (d) 200 + 300 + 300 = 800, close to 781	7	(a) 2 marks. (b) 2 marks. (c) 2 marks: 1 for subtracting from 1000. (d) 1 mark. Follow through.
18	(a) 8 × 40 = 320 (b) 3 × 40 = 120 (c) 320 − 120 = 200	6	(a) 2 marks: 1 for using 8 × 4 = 32. (b) 2 marks. (c) 2 marks: 1 for subtracting. 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, 2, 3	Rounding to 10 and 100	Pack 1 · Rounding to 10 & 100, Parts 1–3	
4, 5	Adding mentally	Pack 2 · Adding within 1000, Parts 1–2	
6, 7	Subtracting mentally	Pack 3 · Subtracting within 1000, Parts 1–2	
8, 9	Multiplying by multiples of 10	Pack 4 · Multiplying by Multiples of 10, Parts 2–3	
10	Missing numbers	Pack 2 · Adding within 1000, Part 4	
11	The column method	Pack 2 · Adding within 1000, Part 3	
12	The column method	Pack 3 · Subtracting within 1000, Parts 3–4	
13	Thinking about rounding	Pack 1 · Rounding to 10 & 100, Part 4	
14	Word problems	Pack 4 · Multiplying by Multiples of 10, Parts 2 and 4	
15	Checking	Pack 1 · Rounding to 10 & 100, Part 4 and Pack 2 · Adding within 1000, Part 3	
16	Checking and missing numbers	Pack 3 · Subtracting within 1000, Part 4	
17	Adding and subtracting within 1000	Pack 2 · Adding within 1000, Part 3 and Pack 3 · Subtracting within 1000, Part 3	
18	Multiples of 10 in problems	Pack 4 · Multiplying by Multiples of 10, Part 4 and Pack 3 · Subtracting within 1000, Part 3	

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