Steady Steps Maths

FREE UNIT TEST · TOPIC 2

FREE SAMPLE · UNIT TEST A

Addition & Subtraction Facts to 20

Unit Test A · 40 marks · about 40 minutes

GRADE 2



Common Core 2.OA.B.2

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Name _____ Date _____

UNIT TEST A Addition & Subtraction Facts to 20

40 marks · about 40 minutes · Common Core 2.OA.B.2

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. 9 + 3 = ☐ [1]
   Answer
2. 9 + 9 = ☐ [1]
   Answer
3. 7 + 8 = ☐ [1]
   Answer
4. 14 − 8 = ☐ [1]
   Answer
5. Count on: 15 + 3 = ☐ [1]
   Answer
6. Count back: 14 − 2 = ☐ [1]
   Answer
7. 8 + ☐ = 13 [1]
   Answer
8. 14 − ☐ = 5 [1]
   Answer
9. Write a subtraction fact that goes with 7 + 6 = 13. [1]
   Answer
10. Make both sides equal: 7 + 3 = ☐ + 9 [1]
    Answer

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SECTION B Show your working

Marks are given for your method

11 Use **making ten** to work out 9 + 8. Show your steps. [2]

Answer

12 Write the four facts in the fact family for 7, 9 and 16. [3]

Answer

13 (a) What is double 5? (b) Use it to work out 5 + 6. (c) Use it to work out 5 + 4. [3]

Answer

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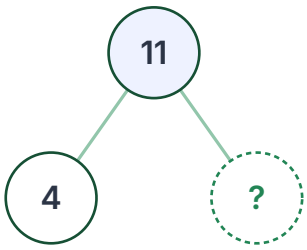
14 Work out 16 − 8 by going back to 10 first. [3]
(a) 16 − 6 = ☐ (b) Then take away 2 more. (c) Check your answer with an addition.

Answer

15 Lina says 12 − 4 = 7. Is Lina right? Use an addition fact to check, and write the right answer. [2]

Answer

16 Here is a number bond. [4]
(a) What is the missing part? (b) Write one addition and one subtraction for this bond.
(c) Write a different pair of numbers that make 11.



Answer

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SECTION C Problem solving

Longer questions with several steps

17 Huda has 8 red cars and 3 blue cars. [7]

(a) How many cars does Huda have altogether? (b) Huda gives 3 cars to a friend. How many are left?

(c) After giving cars away, how many more cars does Huda need to have 20 cars?

Answer

18 Find each missing number. Show how you know. [6]

(a) ☐ + 5 = 12 (b) 15 − ☐ = 6 (c) 6 + 3 = 2 + ☐

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	12	1	
2	18	1	
3	15	1	Doubles fact: 7 + 7 = 14, one more.
4	6	1	
5	18	1	
6	12	1	
7	5	1	
8	9	1	
9	13 − 6 = 7 or 13 − 7 = 6	1	Accept either.
10	1	1	Both sides make 10.
11	9 + 1 = 10, 10 + 7 = 17	2	1 mark for splitting 8 into 1 and 7 (or reaching 10); 1 mark for 17.
12	7 + 9 = 16, 9 + 7 = 16, 16 − 7 = 9, 16 − 9 = 7	3	3 marks for all four facts; 2 marks for three; 1 mark for one or two.
13	(a) 10 (b) 11 (c) 9	3	1 mark each part.
14	(a) 10 (b) 10 − 2 = 8 (c) 8 + 8 = 16	3	1 mark each part.
15	No: 7 + 4 = 11, not 12. 12 − 4 = 8.	2	1 mark for “no” with an addition check; 1 mark for 8.
16	(a) 7 (b) e.g. 4 + 7 = 11; 11 − 4 = 7 (c) e.g. 9 and 2 (any pair except 4 and 7)	4	(a) 1 mark. (b) 2 marks: 1 for each correct fact. (c) 1 mark for any correct new pair.
17	(a) 8 + 3 = 11 (b) 11 − 3 = 8 (c) 8 + ☐ = 20, so 12	7	(a) 2 marks: 1 for adding, 1 for the answer. (b) 2 marks. (c) 3 marks: 1 for seeing it is a missing-number problem, 1 for working, 1 for the answer. Follow through.
18	(a) 7 (b) 9 (c) 7 (both sides make 9)	6	2 marks each: 1 for a correct method or related fact, 1 for the answer.

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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, 11	Making ten	Pack 1 · Mental Strategies, Part 2	
2, 3, 13	Doubles	Pack 1 · Mental Strategies, Part 3	
4, 14	Subtracting through ten	Pack 1 · Mental Strategies, Part 4	
5, 6	Counting on	Pack 1 · Mental Strategies, Part 1	
7, 8	Missing numbers	Pack 2 · Fact Families & Missing Numbers, Part 3	
9, 12, 16	Fact families	Pack 2 · Fact Families & Missing Numbers, Part 1	
10	Balancing number sentences	Pack 2 · Fact Families & Missing Numbers, Part 4	
15	Think addition to subtract	Pack 2 · Fact Families & Missing Numbers, Part 2	
17	Facts in word problems	Pack 1 · Mental Strategies and Pack 2 · Fact Families & Missing Numbers, Part 3	
18	Missing numbers and balancing	Pack 2 · Fact Families & Missing Numbers, Parts 3 and 4	

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