Steady Steps Maths

FREE UNIT TEST · TOPIC 3

FREE SAMPLE · UNIT TEST A

Facts within 20

Unit Test A · 40 marks · about 40 minutes

GRADE 1



Common Core 1.OA.C.6

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UNIT TEST A Facts within 20

40 marks · about 40 minutes · Common Core 1.OA.C.6

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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.
- A grown-up may read each question aloud, but should not help with the maths.

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. 7 + ☐ = 10 [1]
   Answer
2. 3 + 5 = ☐ [1]
   Answer
3. 7 − 3 = ☐ [1]
   Answer
4. 3 + 3 = ☐ [1]
   Answer
5. 8 + 9 = ☐ [1]
   Answer
6. 8 + 7 = ☐ [1]
   Answer
7. 10 + 9 = ☐ [1]
   Answer
8. 14 − 8 = ☐ [1]
   Answer
9. 16 − 8 = ☐ [1]
   Answer
10. 9 + 6 = 15, so 15 − ☐ = 9 [1]
    Answer

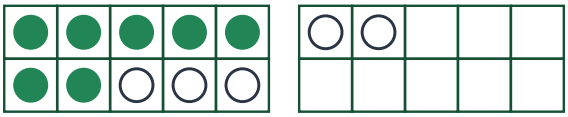
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SECTION B Show your working

Marks are given for your method

11 Use the ten frames to find 7 + 5. [2]



Answer

12 Break apart to make ten. Fill in the boxes. [3]

9 + 5 = 9 + 1 + ☐ = 10 + ☐ = ☐

Answer

13 Use a double to find 5 + 6. Show your thinking. [3]

Answer

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14 Write the fact family for 4, 9 and 13. [3]

Answer

15 Ava says 16 – 9 = 9. Is Ava right? Explain. What should it be? [2]

Answer

16 (a) Find 11 – 7 by going back to 10. Show the steps. [4]
(b) Check your answer with an addition fact.

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SECTION C Problem solving

Longer questions with several steps

17 Mia has 6 red pens and 7 blue pens. [7]
(a) How many pens does Mia have? Show how you worked it out.
(b) Mia gives 8 pens to a friend. How many pens are left? Show your steps.
(c) Write two more facts from the same fact family as (a).

18 (a) Write 3 different adding facts that make 12. (A turn-around fact does not count as a new one.) [6]
(b) Use one of them to write a subtraction fact.
(c) Is there a double that makes 12? Explain.

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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	3	1	
2	8	1	
3	4	1	
4	6	1	
5	17	1	Near double: 8 + 8 + 1 = 17.
6	15	1	Make ten: 8 + 2 = 10, 10 + 5 = 15.
7	19	1	
8	6	1	Back to ten: 14 − 4 = 10, 10 − 4 = 6.
9	8	1	
10	6	1	
11	12 (fill the ten: 10 + 2)	2	1 mark for making 10 (or a correct method); 1 mark for the answer.
12	9 + 1 + 4 = 10 + 4 = 14	3	1 mark for each correct box (3 boxes).
13	5 + 5 = 10, 10 + 1 = 11 (or 6 + 6 − 1)	3	1 mark for a correct double; 1 mark for adding (or taking away) 1; 1 mark for the answer.
14	4 + 9 = 13, 9 + 4 = 13, 13 − 4 = 9, 13 − 9 = 4	3	3 marks for all four facts; 2 marks for three; 1 mark for one or two.
15	No: 16 − 6 = 10, 10 − 3 = 7. Check: 7 + 9 = 16.	2	1 mark for “no” with a reason or a check; 1 mark for the correct answer.
16	(a) 11 − 1 = 10, 10 − 6 = 4 (b) 4 + 7 = 11	4	(a) 3 marks: 1 for taking away to reach 10, 1 for taking away the rest, 1 for the answer. (b) 1 mark for a correct addition check.
17	(a) 6 + 7 = 13 (e.g. make ten: 6 + 4 = 10, 10 + 3 = 13) (b) 13 − 8 = 5 (c) e.g. 7 + 6 = 13, 13 − 6 = 7 (or 13 − 7 = 6)	7	(a) 3 marks: 1 for a strategy, 1 for the working, 1 for the answer. (b) 2 marks: 1 for a method, 1 for the answer. (c) 2 marks, 1 for each correct fact. Follow through.
18	(a) e.g. 5 + 7, 4 + 8, 3 + 9 (b) e.g. 12 − 7 = 5 (c) Yes: 6 + 6 = 12.	6	(a) 3 marks, 1 for each correct fact (5 + 7 and 7 + 5 count as one). (b) 1 mark. (c) 2 marks: 1 for the right yes/no, 1 for a reason that uses doubles.

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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	Pairs that make 10	Pack 1 · Facts within 10, Part 1	
2	Adding within 10	Pack 1 · Facts within 10, Part 2	
3	Taking away within 10	Pack 1 · Facts within 10, Part 3	
4	Doubles	Pack 1 · Facts within 10, Part 4 and Pack 2 · Making Ten to Add, Part 3	
5, 13	Near doubles	Pack 2 · Making Ten to Add, Part 3	
6	Making ten to add	Pack 2 · Making Ten to Add, Parts 1 and 2	
7	Adding 10	Pack 2 · Making Ten to Add, Part 4	
8	Back to ten	Pack 3 · Subtracting & Fact Families, Part 1	
9	Doubles to subtract	Pack 3 · Subtracting & Fact Families, Part 2	
10, 14	Fact families	Pack 3 · Subtracting & Fact Families, Part 3	
11	Ten frames	Pack 2 · Making Ten to Add, Part 1	
12	Break apart to make ten	Pack 2 · Making Ten to Add, Part 2	
15, 16	Checking subtraction	Pack 3 · Subtracting & Fact Families, Parts 1 and 4	
17	Adding, subtracting and fact families	Pack 2 · Making Ten to Add, Part 2 and Pack 3 · Subtracting & Fact Families, Parts 1 and 3	
18	Facts for one number	Pack 1 · Facts within 10, Part 4 and Pack 3 · Subtracting & Fact Families, Part 3	

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