Grade 2 Unit 1 worksheet: Adding and subtracting within 20 from memory (answer key)

ANSWERS AT A GLANCE

1. (a) 8 + 7 = 15 (b) 5 + 9 = 14 (c) 8 + 8 = 16 (d) 16 − 7 = 9 (e) 13 − 5 = 8 (f) 11 − 4 = 7
2. 8 crayons
3. 8 boys
4. 6 more shells
5. 5 + 7, 8 + 4, 9 + 3 and 6 + 6

WORKED SOLUTIONS

1. Add or subtract.

(a) 8 + 7 = _____ (b) 5 + 9 = _____ (c) 8 + 8 = _____

(d) 16 − 7 = _____ (e) 13 − 5 = _____ (f) 11 − 4 = _____

ANSWER

(a) 8 + 7 = 15 (b) 5 + 9 = 14 (c) 8 + 8 = 16 (d) 16 − 7 = 9 (e) 13 − 5 = 8 (f) 11 − 4 = 7

SOLUTION

(a) A near double: 7 + 7 = 14, one more is 15. (b) Make ten: 9 + 1 + 4 = 14. (c) A double: 16.

(d) Think 7 + 9 = 16, so 9. (e) Think 5 + 8 = 13, so 8. (f) Think 4 + 7 = 11, so 7.

2. Owen had some crayons in a box. He put in 6 more. Now the box has 14. How many crayons were in the box at first?

ANSWER

8 crayons

SOLUTION

Find the missing part: $\square$ + 6 = 14, or 6 + $\square$ = 14.

6 + 6 = 12, and 14 is two more, so 6 + 8 = 14. There were 8 crayons at first.

3. A class has 17 kids. 9 of them are girls. How many are boys?

ANSWER

8 boys

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SOLUTION

Find the missing part: 9 + $\square$ = 17.

9 + 8 = 17, because 8 + 8 = 16 and one more is 17. So 17 − 9 = 8. There are 8 boys.

4. Omar finds 15 shells at the beach. Maya finds 9. How many more shells does Omar find?

ANSWER

6 more shells

SOLUTION

Find 15 − 9. Think of adding: 9 + $\square$ = 15.

9 + 6 = 15, since 9 + 1 = 10 and 5 more is 15. So Omar finds 6 more shells.

5. Circle each sum that makes 12.

$5+7$ $8+4$ $6+5$ $9+3$ $7+6$ $6+6$

ANSWER

5 + 7, 8 + 4, 9 + 3 and 6 + 6

SOLUTION

5 + 7 = 12, 8 + 4 = 12, 9 + 3 = 12 and 6 + 6 = 12.

6 + 5 = 11 and 7 + 6 = 13, so do not circle those.

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