Grade 2 Unit 1 worksheet: Even and odd numbers (answer key)

ANSWERS AT A GLANCE

1. 5 pairs; 1 left over; odd (11 cookies).
2. (a) even (b) odd (c) even (d) odd (e) even (f) odd
3. 6 grapes on each plate; 12 = 6 + 6.
4. 21 dinosaurs; odd.

WORKED SOLUTIONS

1. Draw a loop around each pair of cookies.



Pairs: _____ Left over: _____

The number of cookies is: even odd

ANSWER

5 pairs; 1 left over; odd (11 cookies).

SOLUTION

Loop two cookies at a time. You make 5 loops, and 1 cookie has no partner.

5 pairs is 10 cookies, and 1 more is 11. One is left over, so 11 is odd.

2. Even or odd? Circle one.

(a) 12: even odd (b) 7: even odd (c) 0: even odd

(d) 15: even odd (e) 18: even odd (f) 19: even odd

ANSWER

(a) even (b) odd (c) even (d) odd (e) even (f) odd

SOLUTION

(a) 12 = 6 + 6: 6 pairs, none left. Even. (b) 7: 3 pairs and 1 left over. Odd.

(c) 0: no pairs and nothing left over. Even. (d) 15: 7 pairs and 1 left over. Odd.

(e) 18 = 9 + 9: 9 pairs, none left. Even. (f) 19: 9 pairs and 1 left over. Odd.

3. Mia puts 12 grapes on 2 plates. Each plate gets the same number. How many grapes go on each plate?

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$12 = \square + \square$

ANSWER

6 grapes on each plate; 12 = 6 + 6.

SOLUTION

Put the grapes out in pairs, one to each plate. The two plates get the same number, so 12 is a double.

6 + 6 = 12. So each plate gets 6 grapes, and 12 = 6 + 6.

4. Zoe pairs up her toy dinosaurs. She makes 10 pairs. 1 dinosaur is left over. How many dinosaurs does she have? Is that number even or odd?

ANSWER

21 dinosaurs; odd.

SOLUTION

10 pairs is 10 + 10 = 20 dinosaurs. One more is left over: 20 + 1 = 21.

One is left over, so 21 is odd.

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