Name: _____ Date: _____

Can You Afford It?

GRADE 2 | MATHEMATICS | B2.3

Before you buy, think it through in your head! Use mental math to decide if each student can afford their prize — no pencil calculations until Part C.

PART A: YES OR NO?

1. Maya has 25¢. The prize costs 19¢. Can she afford it?

(A) Yes (B) No

2. Leo has 18¢. The prize costs 23¢. Can he afford it?

(A) Yes (B) No

3. Priya has 40¢. She wants two prizes: 15¢ and 22¢. Can she afford both?

(A) Yes (B) No

4. Sam has 31¢. He wants two prizes: 20¢ and 14¢. Can he afford both?

(A) Yes (B) No

PART B: FRIENDLY NUMBERS

5. 19¢ is close to 20¢, so 25 − 19 is close to 25 − 20 = _____.

6. 29¢ + 12¢ is close to 30 + 12 = _____¢.

7. To add 18¢ + 15¢, you can do 18 + 2 = 20, then 20 + _____ = 33¢.

8. 38¢ is close to 40¢, so 50 − 38 is close to 50 − 40 = _____¢.

PART C: EXPLAIN YOUR STRATEGY

9. Jordan has 45¢ and buys a 28¢ prize. Use a mental math strategy to find what's left, then EXPLAIN the strategy you used.

SHOW YOUR WORK

Answer: _____

10. Amara earned 16¢ Monday and 17¢ Tuesday. Use a mental math strategy to find her total, then explain it.

SHOW YOUR WORK

Answer: _____

11. The class store has a 2-for-1 sale! A 24¢ prize comes with a free 10¢ prize. Sam has 30¢. Can he afford the sale? Explain with mental math.

SHOW YOUR WORK

Answer: _____

PART D: YOUR SHOPPING TRIP

12. You have 50¢. Pick two prizes to "buy" (choose your own prices under 30¢ each). Use mental math to show whether you can afford both and what you'd have left.

SHOW YOUR WORK

Can You Afford It?

ANSWER KEY

1. A — Yes
2. B — No
3. A — Yes
4. B — No
5. 5
6. 42
7. 13
8. 10
9. 17¢ (45 − 28 = 17), e.g., subtract 30 then add back 2, or count up from 28 to 45.
10. 33¢ (16 + 17 = 33), e.g., double 16 is 32, plus 1 more is 33.
11. Yes — he only pays 24¢, and 24 is less than 30. He would have 6¢ left (30 − 24 = 6).
12. Answers will vary — check that both prices are under 30¢, the total is compared to 50¢, and the leftover is correct.

TEACHER NOTES

This is the 'affordability check' routine from the Grade 2 standards page: before any real ClassCents purchase, students estimate whether their balance covers it and say their strategy aloud — then the app confirms. Supports Ontario Grade 2 B2.3 (mental math and estimation to 50).