

Every Way to Pay

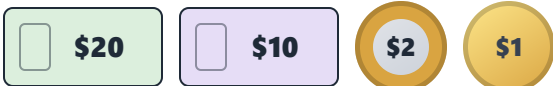
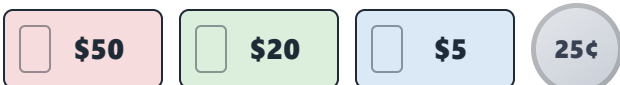
GRADE 2

MATHEMATICS

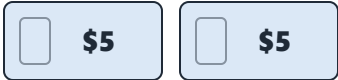
F1.1

Once bills join the coins there are many ways to make the same amount. A loonie is \$1 and a toonie is \$2, and bills come in \$5, \$10, \$20, \$50 and \$100. Finding the fewest coins or bills means starting with the biggest one that still fits.

PART A: COUNT COINS AND BILLS

1.  Total: _____
2.  Total: _____
3.  Total: _____
4.  Total: _____

PART B: COUNT THE BILLS

5.  Total: _____
6.  Total: _____

PART C: TRADE BILLS

7. It takes _____ \$5 bills to make the same as one \$20 bill.
8. It takes _____ \$10 bills to make the same as one \$50 bill.

PART D: FEWEST COINS

9. A reward costs 85¢. What is the fewest number of coins you could pay with exactly, and which coins are they?

Answer: _____

- 10.** A reward costs \$3.50. Show two different ways to pay for it using bills and coins.

SHOW YOUR WORK

Answer: _____

- 11.** Show two different ways to make \$150 using \$50, \$20 and \$10 bills.

SHOW YOUR WORK

Answer: _____

PART E: SAME OR DIFFERENT?

- 12.** Which set of coins makes exactly one dollar?

- (A) Three quarters, two dimes and one nickel (B) Four dimes and two quarters
(C) Two quarters and three dimes

- 13.** Which of these makes exactly the same amount as three quarters?

- (A) Seven dimes and a nickel (B) Seven dimes (C) Six dimes and a nickel

PART F: THREE WAYS

- 14.** A reward costs \$2.75. Write three different ways to pay for it exactly, using coins, bills, or both.

Every Way to Pay

ANSWER KEY

1. \$7.25
2. \$16.00
3. \$33.00
4. \$75.25
5. \$10
6. \$30
7. 4
8. 5
9. Four coins: three quarters and one dime.
10. One way is a toonie, a loonie and two quarters. Another is three loonies and two quarters.
11. Any two correct sets, such as three \$50 bills, or two \$50 bills and five \$10 bills, or one \$50 bill and five \$20 bills.
12. A) Three quarters, two dimes and one nickel
13. A) Seven dimes and a nickel
14. Any three different sets totalling \$2.75, for example a toonie and three quarters; two loonies and three quarters; or a toonie, two quarters, two dimes and one nickel.

TEACHER NOTES

Extension beyond the grade-level expectation: coins and bills up to \$200 are mixed in one collection, Part C trades bills for smaller ones, Part D question 1 asks for the fewest coins rather than any set, and Part E question 2 compares two sets that are close in value without being equal. Pennies are not used anywhere, since Canada withdrew them in 2013.