Year 5 · Number: Dollars, Cents and Change

Name: _____ Date: _____

Hi there! This sheet helps you add up money, work out change, and round dollar amounts. Grab a pencil and let's practise being a money whiz!

Warm-up

1. Write this amount using decimal notation: 6 dollars and 45 cents.

2. Write this amount using decimal notation: 12 dollars and 5 cents.

3. Add: $3.20 + $4.50.

4. Round $8.70 to the nearest dollar.

Practice

5. Add these three prices: $2.35 + $1.40 + $3.10.

6. Round each amount to the nearest dollar: (a) $5.30 (b) $11.85.

7. Mereana buys a pie for $4.60 and a juice for $3.25 at the Avondale dairy. What is the total cost?

8. Tane spends $6.40 on a comic. He pays with a $10 note. How much change does he get?

9. At the Sunday market Aroha buys apples for $3.75 and bread for $4.15. She pays with a $10 note. What is her total, and how much change does she receive?

10. A drink bottle costs $12.60. About how much is this to the nearest dollar? Then work out the cost of 2 bottles at the exact price.

Challenge

11. Sione has $20. He buys a school hat for $8.95 and a water bottle for $6.50. How much does he spend altogether, and how much change does he get from his $20?

12. Kaia is buying 3 muffins that cost $2.50 each. Estimate the total by rounding each muffin to the nearest dollar, then work out the exact total. How much smaller is the exact total than the estimate?

Answer key (for parents and tutors)

1. Write this amount using decimal notation: 6 dollars and 45 cents.
   $6.45. The dollars go before the decimal point and the cents (45) go after it.

2. Write this amount using decimal notation: 12 dollars and 5 cents.
   $12.05. Because 5 cents is less than 10, we need a zero to hold the tenths place: $12.05 (not $12.5).

3. Add: $3.20 + $4.50.
   $7.70. Add the dollars: 3 + 4 = 7. Add the cents: 20 + 50 = 70. So $7.70.

4. Round $8.70 to the nearest dollar.
   $9. The cents (70) are 50 or more, so we round up from $8 to $9.

5. Add these three prices: $2.35 + $1.40 + $3.10.
   $6.85. Cents: 35 + 40 + 10 = 85 cents. Dollars: 2 + 1 + 3 = 6. Total = $6.85.

6. Round each amount to the nearest dollar: (a) $5.30 (b) $11.85.
   (a) $5, the cents (30) are less than 50, so round down to $5. (b) $12, the cents (85) are 50 or more, so round up to $12.

7. Mereana buys a pie for $4.60 and a juice for $3.25 at the Avondale dairy. What is the total cost?
   $7.85. Add the cents: 60 + 25 = 85 cents. Add the dollars: 4 + 3 = 7. Total = $7.85.

8. Tane spends $6.40 on a comic. He pays with a $10 note. How much change does he get?
   $3.60. Change = $10.00 − $6.40. From $6.40 to $7.00 is 60 cents, then $7 to $10 is $3. So change = $3.60.

9. At the Sunday market Aroha buys apples for $3.75 and bread for $4.15. She pays with a $10 note. What is her total, and how much change does she receive?
   Total = $7.90 (cents: 75 + 15 = 90; dollars: 3 + 4 = 7). Change = $10.00 − $7.90 = $2.10 (from $7.90 to $8.00 is 10 cents, then $8 to $10 is $2, so $2.10).

10. A drink bottle costs $12.60. About how much is this to the nearest dollar? Then work out the cost of 2 bottles at the exact price.
    To the nearest dollar: $13 (the cents, 60, are 50 or more so round up). Exact cost of 2 bottles: $12.60 × 2 = $25.20 (double the cents: 60 + 60 = 120 cents = $1.20; double the dollars: $24; total $25.20).

11. Sione has $20. He buys a school hat for $8.95 and a water bottle for $6.50. How much does he spend altogether, and how much change does he get from his $20?
    Total = $15.45. Cents: 95 + 50 = 145 cents = $1 and 45 cents. Dollars: 8 + 6 = 14, plus the extra $1 = $15, and 45 cents left over, so $15.45. Change = $20.00 − $15.45 = $4.55 (from $15.45 to $16.00 is 55 cents, then $16 to $20 is $4, so $4.55).

12. Kaia is buying 3 muffins that cost $2.50 each. Estimate the total by rounding each muffin to the nearest dollar, then work out the exact total. How much smaller is the exact total than the estimate?
    Estimate: $2.50 rounds up to $3, so 3 × $3 = $9. Exact total: $2.50 × 3 = $7.50 (three lots of $2 is $6, three lots of 50c is $1.50, total $7.50). The exact total is $9.00 − $7.50 = $1.50 smaller than the estimate.