Year 5 maths: Money and change problems (Hard)

Maths · Money
Level: Hard

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. A jumper costs $18.60 and is half price today. Zoe pays with a $20 note. How much change does she get? Give your answer in dollars.

Answer: $ ☐

Working:

2. A shopkeeper gives $7.65 change. What is the fewest number of coins she can use?

Circle one answer.

○ **A** 7 ○ **B** 6 ○ **C** 8 ○ **D** 9

3. Which is the smallest amount?

Circle one answer.

○ **A** 98c ○ **B** $1.05 ○ **C** $2.10 ○ **D** $1.50

4. A box of 8 muffins costs $6.80. A box of 12 muffins costs $9.00. Which box is the better buy?

Circle one answer.

○ **A** The box of 8 ○ **B** They cost the same per muffin
○ **C** You can't tell ○ **D** The box of 12

5. 5 kg of potatoes costs $12.50 and 8 kg costs $18.40. How many cents less is 1 kg in the better buy?

Answer: ____ c

Working:

6. Fuel costs $1.80 for each litre. Dev buys 12 L and a $3.45 drink. He pays with a $50 note. How much change does he get?

Answer: $ ____

Working:

7. Lin spends $27.35 and pays with a $50 note. Her change is $22.65. What is the fewest number of notes and coins she can be given for that change?

Answer: ____ notes and coins

Working:

8. Three friends share a $64.50 bill equally. How much does each friend pay?

Answer: $ ____

Working:

9. Cory buys 5 notebooks at $3.85 each. He pays with a $20 note. How much change does he get?

Circle one answer.

○ **A** $7.50 ○ **B** $1.25 ○ **C** $0.75 ○ **D** $16.15

10. A 2 L carton of milk costs $3.40. A 3 L carton costs $4.80. How much cheaper is each litre in the 3 L carton?

Answer: $ ____

Working:

Answer key

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1. $10.70

Half of $18.60 is $9.30. Count up from $9.30: 70c makes $10, $10 more makes $20. Change $10.70.

2. A — 7

Use the biggest coins first: 3 × $2, $1, 50c, 10c, 5c make $7.65. That is 7 coins.

3. A — 98c

98c is less than $1. The others are more than $1.

4. D — The box of 12

The box of 8: $6.80 ÷ 8 = 85c each. The box of 12: $9.00 ÷ 12 = 75c each. The box of 12 costs less per muffin.

5. 20 c

Price of one: $12.50 ÷ 5 = 250c and $18.40 ÷ 8 = 230c. The difference is 20c.

6. $24.95

12 × $1.80 = $21.60. $21.60 + $3.45 = $25.05. $50.00 − $25.05 = $24.95.

7. 5 notes and coins

$20 + $2 + 50c + 10c + 5c = $22.65. That uses 5 pieces.

8. $21.50

$64.50 ÷ 3 = $21.50.

9. C — $0.75

5 × $3.85 = $19.25. $20.00 − $19.25 = $0.75, which is 75c.

10. $0.10

2 L: $3.40 ÷ 2 = $1.70 per litre. 3 L: $4.80 ÷ 3 = $1.60 per litre. $1.70 − $1.60 = $0.10.