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Year 3 maths: Totals and change (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. Apples are $4.50 a kilogram. Dad buys 3 kilograms of apples and a melon for $3.95. How much does he spend?

Answer: $ ☐

Working:

2. At the camping shop a cap is $4.35, socks are $2.20, a drink bottle is $3.45, a torch is $3.65 and a whistle is $1.95. Which three things cost exactly $10 altogether?

Circle one answer.

○ **A** the cap, torch and whistle
○ **B** the cap, drink bottle and whistle
○ **C** the cap, socks and torch
○ **D** the cap, socks and drink bottle
○ **E** the socks, drink bottle and torch

3. Seedlings cost 95c each. What is the greatest number of seedlings that can be bought with a $20 note?

Circle one answer.

○ **A** 20 ○ **B** 21 ○ **C** 22 ○ **D** 5 ○ **E** 19

4. How much money is this?

Answer: $ ____



Working:

5. Odin has 40 coins. A fifth of them are $2 coins and the rest are 50c coins. How much money does he have?

Answer: $ ____

Working:

6. Six bus passes cost $4.35 each. Gemma pays with a $50 note. How much change does she get?

Circle one answer.

○ **A** $26.10 ○ **B** $45.65 ○ **C** $23.90 ○ **D** $24.90 ○ **E** $26

7. Hana shares $9 equally between herself and her 3 cousins. How much does each person get?

Circle one answer.

○ **A** $9 ○ **B** $2 ○ **C** $3 ○ **D** $2.25 ○ **E** $22.50

8. Five children share $4 equally. How much does each child get?

Circle one answer.

○ **A** $1.25 ○ **B** $1 ○ **C** 8c ○ **D** 80c ○ **E** $4

9. Mia went to the cinema with 3 friends for her birthday. The tickets cost $87 altogether. Her 3 friends shared the cost equally and Mia paid nothing. How much did each friend pay?

Circle one answer.

○ **A** $29 ○ **B** $43.50 ○ **C** $87 ○ **D** $21.75 ○ **E** $2.90

10. Priya bought 5 kg of potatoes. She paid with a $20 note and got three $2 coins and a $1 coin in change. At the same price, how much would 3 kg of potatoes cost?

Circle one answer.

○ **A** $2.60 ○ **B** $13 ○ **C** $7.80 ○ **D** $12 ○ **E** $4.20

Answer key

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1. $17.45

3 kg of apples: $4.50 × 3 = $13.50. Add the melon: $13.50 + $3.95 = $17.45.

2. D — the cap, socks and drink bottle

$4.35 + $2.20 + $3.45: dollars 4 + 2 + 3 = $9, cents 35 + 20 + 45 = $1.00. Total $10. The others make $10.20, $9.95, $9.30 and $9.75.

3. B — 21

20 seedlings cost 20 × 95c = $19. One more costs $19.95. 22 would cost $20.90, too much. So 21, with 5c left.

4. $6.60

Biggest first: $2, $4, $5, $5.50, $6.00, $6.20, $6.40, $6.50, $6.55, $6.60.

5. $32

A fifth of 40 is 8. 8 × $2 = $16. The other 32 coins are 50c: 32 × 50c = $16. $16 + $16 = $32.

6. C — $23.90

6 × $4 = $24 and 6 × 35c = $2.10, so $26.10. Count up: 90c makes $27, $23 makes $50. Change $23.90.

7. D — $2.25

Hana and 3 cousins is 4 people. $9 is 900c. 900 ÷ 4 = 225c = $2.25.

8. D — 80c

$4 is 400c. 400 ÷ 5 = 80c.

9. A — $29

Only the 3 friends pay: $87 ÷ 3 = $29.

10. C — $7.80

Change: 3 × $2 + $1 = $7. Spent: $20 − $7 = $13 for 5 kg. 1 kg: 1300c ÷ 5 = 260c = $2.60. 3 kg: 3 × $2.60 = $7.80.