testbase

Calculation

Year 6

Solving problems involving four operations

(6C8)

Maria bakes cakes and sells them in bags.

She uses this formula to work out how much to charge for one bag of cakes.

Cost = number of cakes × 20p + 15p for the bag

How much will a bag of 12 cakes cost?

£

Olivia buys a bag of cakes for £5.15.

Use the formula to calculate how many cakes are in the bag.

Show your method

cakes

The mass of a 10p coin is 6.5g.

The mass of a 5p coin is half the mass of a 10p coin.

What is the mass of these six coins **altogether**?

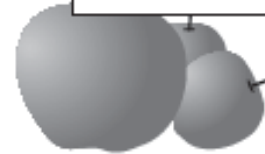One toffee apple needs:

1 stick,

100g of sugar,

1 apple.

50 sticks cost £6.25
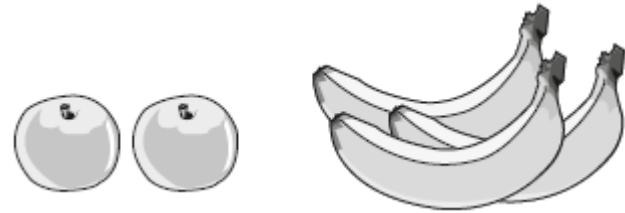
1 kg of sugar costs £0.99

100 apples cost £22.50

Children buy just enough sticks, sugar and apples to make **100** toffee apples.

They sell all 100 toffee apples for **£1 each**.

The profit goes to charity.

Work out how much money goes to charity.

Chen buys 2 apples and 3 bananas.

He pays £2.35.

Megan buys 2 apples and 1 banana.

She pays £1.25.

How much does **one** banana cost?

Answers

- How much will a bag of 12 cakes cost? = £2.55
- Olivia buys a bag of cakes for £5.15. Use the formula to calculate how many cakes are in the bag. = 25 cakes

- What is the mass of these six coins altogether? = 29.25 g

- Work out how much money goes to charity. = £55.10

- How much does one banana cost? 55p