



GCSE - Numeracy and Mathematics

Tier: Intermediate

Grade: D/E

Topic: Budgeting and money problems

Starter

1. $200 \times 50p =$

2. $£1.50 \times 8 =$

3. $£845 - £635 =$

Top Tips!

Budgeting - a way of planning your finances to ensure that you have enough money to purchase items you want.

Examination Question: 2016 November Numeracy U1 Intermediate Q6

Marcin has a market stall to sell his printed T-shirts.

It costs him:

- £250 to buy 100 plain T-shirts,
- 50p to print a design on each T-shirt.

Marcin sells his printed T-shirts for £4.00 each.

At the start of the week:

- His bank account balance is £820.
- Marcin has 100 printed T-shirts ready to sell.
- He has already paid for these printed T-shirts.

During the week:

- Marcin sells his stock of 100 T-shirts.
- He pays all the money he takes from selling T-shirts into his bank account.
- He buys and prints another 400 T-shirts.
- Marcin does not sell any of these 400 T-shirts.

How much will Marcin have in his bank account at the end of this week?

You must show all your working. [4]

Skills:



Aled has been saving money for a few weeks for a school trip to Chester Zoo. He has saved £38. Aled has written the following budget of things he intends to buy:

Entrance fee: £ 20

Fanta: £ 2.50

Burger: £ 4.25

Sweets: £ 3.75

Picture at the zoo with his friends: £ 5.25

T-shirt from the shop: £ 12.20

Will Aled have enough money to buy all of the above items?

Assessment for Learning

Video / QR code



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1. $200 \times 50p = \text{£}100$

2. $\text{£}1.50 \times 8 = \text{£}12$

3. $\text{£}845 - \text{£}635 = \text{£}210$

Top Tips!

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- He pays all the money he takes from selling T-shirts into his bank account.
- He buys and prints another 400 T-shirts.
- Marcin does not sell any of these 400 T-shirts.

How much will Marcin have in his bank account at the end of this week?

You must show all your working. [4]

Start of the week: £820 in his bank account.

Sells 100 T-shirts: $100 \times 4 = \text{£}400$

$\text{£}820 + \text{£}400 = \text{£}1,220$ in the bank.

Buys and prints another 400 but doesn't sell:

$\text{£}250 \times 4 = \text{£}1,000$

$50p \times 400 = \text{£}200$

$\text{£}1,000 + \text{£}200 = \text{£}1,200$

$\text{£}1,220 - \text{£}1,200 = \text{£}20$ in his bank account.

Skills:



Aled has been saving money for a few weeks for a school trip to Chester Zoo. He has saved £38. Aled has written the following budget of things he intends to buy:

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Will Aled have enough money to buy all of the above items? the items above?

$\text{£}20 + \text{£}2.50 + \text{£}4.25 + \text{£}3.75 + \text{£}5.25 + \text{£}12.20 = \text{£}47.95$

Therefore, Aled will not have enough money to buy all of the above items.

Assessment for Learning

Video / QR code

