

L.O. Calculate percentages of amounts (3) Reasoning and Problem Solving

Problem 1

The price of a TV was €140.
In the sale, there was 15% off the price.
How much does it cost in the sale?

15% of €140 = €21 taken off the price
€140 - €21 = €119 in the sale



Problem 2

Out of 120 school children, 35% have a school dinner.
How many children don't have a school dinner?

35% of 120 = 42 children have school dinner
120 - 42 = 78 children don't have a school dinner



Problem 3

Harry goes to a restaurant with his friends for his birthday.
The bill comes to €80. 15% of the bill is for milkshakes,
30% of the bill is for ice-creams and the rest is for burgers.
How much did the burgers cost?

15% of €80 = €12 for milkshakes
30% of €80 = €24 for ice-creams
€36 for both. Burgers cost €80 - €36 = €44



Problem 4

One large pizza costs €12.50. If Mrs Rees buys four of them, she gets a 15% discount off the bill. How much would she pay for four large pizzas?

4 x €12.50 = €50 for 4 pizzas before discount
15% of €50 = €7.50 taken off
€50 - €7.50 = €42.50



Extra Challenge

1) $40 \times 120 = 4800\text{kg}$ of food served per year

2)

Food	Percentage	Amount served in a year
Vegetables	30%	1440kg
Potatoes	10%	480kg
Meat	15%	720kg
Rice	35%	1680kg
Salad	9%	432kg
Fruit	1%	48kg