

03.06.20

WALT scale by amounts

1. Mrs Jones is baking cupcakes; she has a recipe that make 48 cupcakes. To make just 12 cupcakes, Mrs Jones that she needs to find a quarter of the original recipe. What are the new amounts that she needs?

- 480g plain flour **120g**
- 4 eggs **1 egg**
- 300g sugar **75g**
- 20ml vanilla flavouring **5ml**
- 5ml red food colouring **1.25ml**
- 10g baking powder **2.5g**

What is she wanted to make 96 cupcakes?

What would be the new measurements?

960g plain flour

8 eggs

600g sugar

40ml vanilla flavouring

10ml red food colouring

20g baking powder

2. An electronics shop is having a sale where products have been reduced to give them a new price. What are their new prices?

- TV - £360 reduced by 10% **£324**
- Apple iPad - £560 reduced by 1/5 **£448**
- Xbox One - £250 reduced by 25% **£187.50**
- PS4 - £350 reduced by 5% **£332.50**
- Laptop £400 reduced by 15% **£340**
- Digital camera - £90 reduced by 2/10 **£72**

If I bought an iPad and an Xbox in the sale, how much change would I have from £1000? Would I be able to afford anything else?

iPad = **£448**

Xbox = **£187.50**

Total = **£635.50**

Change from £1000 = **£364.50**

Yes, a camera/another Xbox/a TV/a laptop.

3. A family go on a picnic, at lunch time they unpack their food and share everything out equally between 5 of them. Work out how much food each person receives:

- 15 ham sandwiches **3**
- 10 cheese sandwiches **2**
- 5 tuna sandwiches **1**
- A bunch of grapes **1/5**
- A packet of 20 cocktail sausages **4**
- 7 and a half satsumas **1 and 1/2**
- 3 packets of crisps (vegetable, barbeque and cheese and onion) **60%**

4. At the end of the week, the teacher gave back the children's maths scores. She also told them how much they have improved by since the last test. Can you work out what their old score was?

- Child A - 24 +20% **19.2**
- Child B - 18 + 10% **16.2**
- Child C - 30 +25% **22.5**
- Child D - 35 +25% **26.25**
- Child E - 14 +5% **13.3**
- Child F - 15 +10% **13.5**

5. Before I went on holiday, I went to the bank to change my money from pounds (£) into Euros (€). I was told that there was a 2% increase, if I was to exchange the following amounts of money from Pounds into Euros, how much would I receive back?

- £1 = **£1.02**

3. A theme park has discounted prices for different days and people. Use the information in the table to answer the questions:

<u>Day</u>	<u>Adult</u>	<u>Child</u>	<u>Elderly</u>	<u>Family</u>
<u>Mon-</u>	£10	£5	£6	£25
<u>Fri</u>				
<u>Sat-</u>	£15	£7.50	£8	£35

- £2 = £2.04
- £5 = £5.10
- £10 = £10.20
- £50 = £51.00
- £100 = £102.00
- £200 = £204.00

I bought a total of 342€ - How much did I begin with before I exchanged?
342

Sun				
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- Buy tickets online to receive 10% off the price!

- A family want to visit on Saturday and book online, how much do they pay?

$$35 - 3.5 = £31.50$$

- 3 adults and a child visit on Friday and they do not book online but they have a 'children go 1/2 price' voucher, how much do they pay?

$$£32.50 = (10 \times 3 = 30) + £2.50$$

- 4 adults, 5 children and an elderly person visit on Sunday and they book online, how much do they pay?

$$£15 \times 4 = £60$$

$$£7.50 \times 5 = £37.50$$

$$+ £8 = £105.50$$

$$10\% \text{ of } £105.50 = £10.55$$

$$£105.50 - £10.55 = £94.95$$