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?

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

What is she wanted to make 96 cupcakes?
What would be the new measurements?
960 g plain flour
8 eggs
600 g sugar
40 ml vanilla flavouring
10 ml 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.
4. 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?
5. $£ 1=£ 1.02$
6. $£ 2=£ 2.04$
7. $£ 5=£ 5.10$
8. $£ 10=£ 10.20$
9. $£ 50=£ 51.00$
10. $£ 100=£ 102.00$
11. $£ 200=£ 204.00$

5

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

| Day | Adult | Child | Elderly | Family |
| :--- | :--- | :--- | :--- | :--- |
| $\frac{\text { Mon- }}{\text { Fri }}$ | $£ 10$ | $£ 5$ | $£ 6$ | $£ 25$ |
| $\frac{\text { Sat- }}{}$ | $£ 15$ | $£ 7.50$ | $£ 8$ | $£ 35$ |
| $\underline{\text { Sun }}$ |  |  |  |  |

- 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
$10 \%$ of $£ 105.50=£ 10.55$
$£ 105.50-£ 10.55=£ 94.95$

