**Percentage Problems Year 5**

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**Answer the following questions. Remember that 100% is equal to one whole. You calculate the percentage of a number by dividing it by 100 and multiplying it by the percentage. To get 10% divide the number by 10.** (TIP – Remember that 50% is the same as one half, 25% is the same as one quarter and 75% is the same as three quarters.)

1. An item costs £150 to buy but the shop is having a sale and there is 10% off. How much does the item cost now?
2. If you save £400 a year and the interest is 2%. How much interest will that be in one year?
3. A garment is made out of lots of different fibres. It is 50% wool, 35% cotton, 10% rayon and the rest is elastane. What percentage is elastane?
4. If Peter did 40% of the work; his friend Tim did a quarter of that and Alan did the rest. Who did the most work? By what percentage?
5. If James saved 30% of the money he needed to buy a new game and he has saved £15, how much does the game cost?
6. What is 45% of £150?
7. If Ali had £200 for his birthday and he saved 10%, spent 22% and gave the rest charity, how much money did he give to charity?
8. Amy wanted a new bicycle and she has to save £40 towards the cost. She gets £10 a week pocket money and saves 50% of this each week. How long will it take her to save for her bike?
9. What is 32% of 150cm?
10. Carrie gets £4 a week pocket money. She spent 25% on sweets. How much did she spend?