

(Science Focus) Maths Word Problems – LKS2 – Year 3

1. A recycling centre collected 345 kilograms of paper waste in the first week and 278 kilograms in the second week. How much paper waste did they collect in total?
2. A project aimed to reduce water usage by 950 litres. So far, the project has reduced water usage by 375 litres. How many more litres do they need to reduce?
3. A volunteer group plants 36 trees every day. How many trees will they plant in 6 days?
4. A solar panel generates 45 kilowatts of energy each day. How much energy will it generate in 4 days?
5. A park has 60 trees, and $\frac{1}{3}$ of the trees are oak trees. How many oak trees are in the park?
6. A space between two tree rows in a garden is 125 metres long. If you walk the length of the row and back, how far will you walk in total?
7. A garden for saving bees is 12 metres long and 8 metres wide. What is the area of the garden?
8. A rectangular park measures 20 metres in length and 15 metres in width. What is the perimeter of the park?
9. A volunteer picks up 8 kilograms of waste every hour. If they work for 5 hours, how much waste will they collect? If another volunteer works for 3 hours and collects 10 kilograms per hour, how much will both volunteers collect altogether?
10. A school spends £12 each month on recycling projects. How much will they spend in 9 months?

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MARK SCHEME

1. $345 + 278 = 623$ kilograms of paper waste.
2. $950 - 375 = 575$ litres of water.
3. $36 \times 6 = 216$ trees.
4. $45 \times 4 = 180$ kilowatts of energy.
5. $1/3 \times 60 = 20$ oak trees.
6. $125 + 125 = 250$ metres.
7. $12 \times 8 = 96$ square metres.
8. $2 \times (20+15) = 2 \times 35 = 70$ metres.
9. First volunteer: $8 \times 5 = 40$ kilograms.
Second volunteer: $10 \times 3 = 30$ kilograms.
Both together: $40 + 30 = 70$ kilograms.
10. $£12 \times 9 = £108$.