



## Banana Maths Challenge



You may use a calculator!  
*PUPIL COPY*

1. Veronica plants 800 banana plants in one acre how many plants are there in her 5-acre field?
2. A bunch of bananas weighs 27kg. Each banana plant produces one bunch of bananas every year.  
What is the weight of the bananas produced in a one-acre field?  
What is the weight of the bananas Veronica produces in her 5-acre field?  
10% of the produce is rejected by the farmer  
How many bananas are sent to the UK from her 5-acre field?
3. A banana box holds 18kg of bananas. A bunch of bananas weighs 27kg.  
How many bunches would you need to fill 10 boxes?  
How many bunches would you need to fill 15 boxes?  
How many bunches would you need to fill 20 boxes?
4. How many boxes would Veronica fill from one acre?  
How many boxes would she fill from her 5-acre field?  
10% of the boxes may be rejected when they arrive in the UK.  
How many boxes can be sold to the supermarkets from Veronica's 5-acre field?
5. Veronica sells each box of bananas for \$9.13 which is the Fairtrade guaranteed minimum price  
What does she get for her bananas from her 5-acre field?
6. A social premium of \$1 is given to the community for each box that is sold to a supermarket.  
How many dollars each year will the community projects get?
7. If the bananas were not rejected by the farmer or the UK how many boxes would she sell each year?  
How much money would she get?  
How much would the social premium be?