



## Banana Maths Challenge 2021



You may use a calculator!

*PUPIL COPY*

1. Veronica plants 800 banana plants in one acre.
  - a) How many plants are there in 5 acres?
  - b) How many banana plants would there be in 11 acres?
  
2. A bunch of bananas weighs 27kg. (800 banana plants in one acre)  
Each banana plant produces one bunch of bananas every year.
  - a) What is the weight of the bananas produced in a one- acre field?
  - b) What is the weight of the bananas Veronica produces in 5 acres?  
10% of the produce is rejected by the farmer
  - c) 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.
  - a) How many bunches would you need to fill 1 box?
  - b) How many bunches would you need to fill 5 boxes?  
How many bunches would you need to fill 20 boxes?
  
4. A banana box weighs 18kg  
Veronica produces 80 boxes every two weeks.
  - a) How many kgs does she produce every two weeks?
  - b) How many kgs does she produce every year?
  - c) How many boxes does she produce each year?
  
5. Veronica sells each box of bananas for \$18.00 which is the Fairtrade guaranteed minimum price. Veronica produces 80 boxes every two weeks
  - a) How much does she get for her bananas each year?
  
6. A social premium of \$1.50 is given to the community for each box that is sold to a supermarket through Fairtrade.  
Veronica produces 80 boxes every two weeks
  - a) How many boxes does she produce each year?  
25% of Veronica's bananas are sold through Fairtrade
  - b) How many dollars each year will the cooperative get from Veronica each year?