



# Fairtrade numeracy

<http://www.fairtrade.org.uk/>

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Global Inequalities (2005)

- The 2.5 billion people living on less than \$2 a day – 40% of the world’s population – receive only 5% of global income, while the richest 10% of the world’s population receive 54% of global income.
- Nearly a quarter of the world’s workers do not earn enough to lift themselves and their families above the \$1 per day poverty threshold.
- The richest 500 individuals in the world have a combined income greater than that of the poorest 416 million.

Read the text above and then answer the questions.

1. What is 40% as a fraction and as a decimal? \_\_\_\_\_
2. If 40% of the world’s population receive only 5% of global income, what do the other 60% of the population receive? \_\_\_\_\_
3. Do the richest 10% of the population receive over half of the world’s income? Yes / No

Explain your answer

\_\_\_\_\_

4. Write the fraction (using numbers) of those that live on less than \$1 a day? \_\_\_\_\_
- 5a. What fraction live on more than \$1 dollar a day? \_\_\_\_\_
- 5b. Write this as a decimal \_\_\_\_\_ and as a percentage \_\_\_\_\_
6. Write 416 million in numbers \_\_\_\_\_
7. What do you think about the last statement in the text? Is this fair?

\_\_\_\_\_



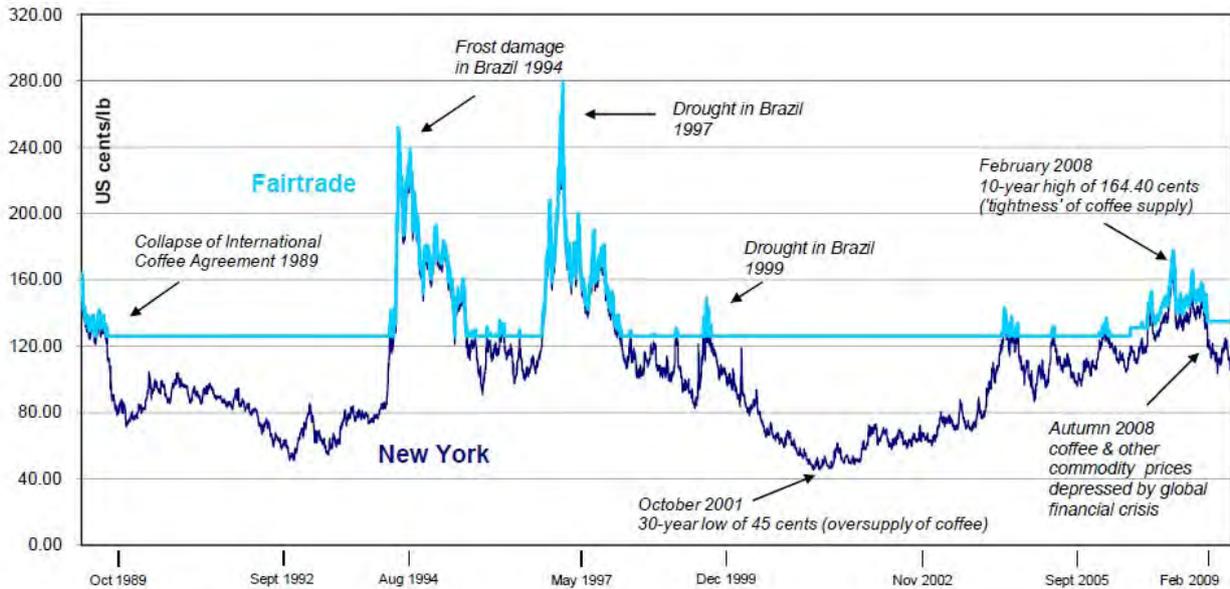
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## The Arabica Coffee Market 1989-2009: Comparison of Fairtrade and New York Prices



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Fairtrade price = Fairtrade minimum price\* of 125 cents/lb + 10 cents/lb Fairtrade premium\*\*

When the New York price is 125 cents or above, the Fairtrade price = New York price + 10 cents

\*Minimum price was increased from 121 cents/lb on 1 June 2008 \*\*Premium was increased from 5 cents/lb on 1 June 2007

The NY price is the daily closing price of the second position Coffee 'C' futures contract at ICE Futures US (New York Board of Trade)

[http://www.fairtrade.org.uk/includes/documents/cm\\_docs/2009/a/arabica\\_price\\_chart\\_8909.pdf](http://www.fairtrade.org.uk/includes/documents/cm_docs/2009/a/arabica_price_chart_8909.pdf)

### Look at the graph.

8. What is the highest price paid for coffee? \_\_\_\_\_
9. What is the lowest price paid for coffee? \_\_\_\_\_
10. What was the lowest price paid for Fair Trade coffee? \_\_\_\_\_
11. Explain why the Fairtrade prices are 'flat' in several parts of the graph.

\_\_\_\_\_

12. Comment on scale of the horizontal axis.

\_\_\_\_\_

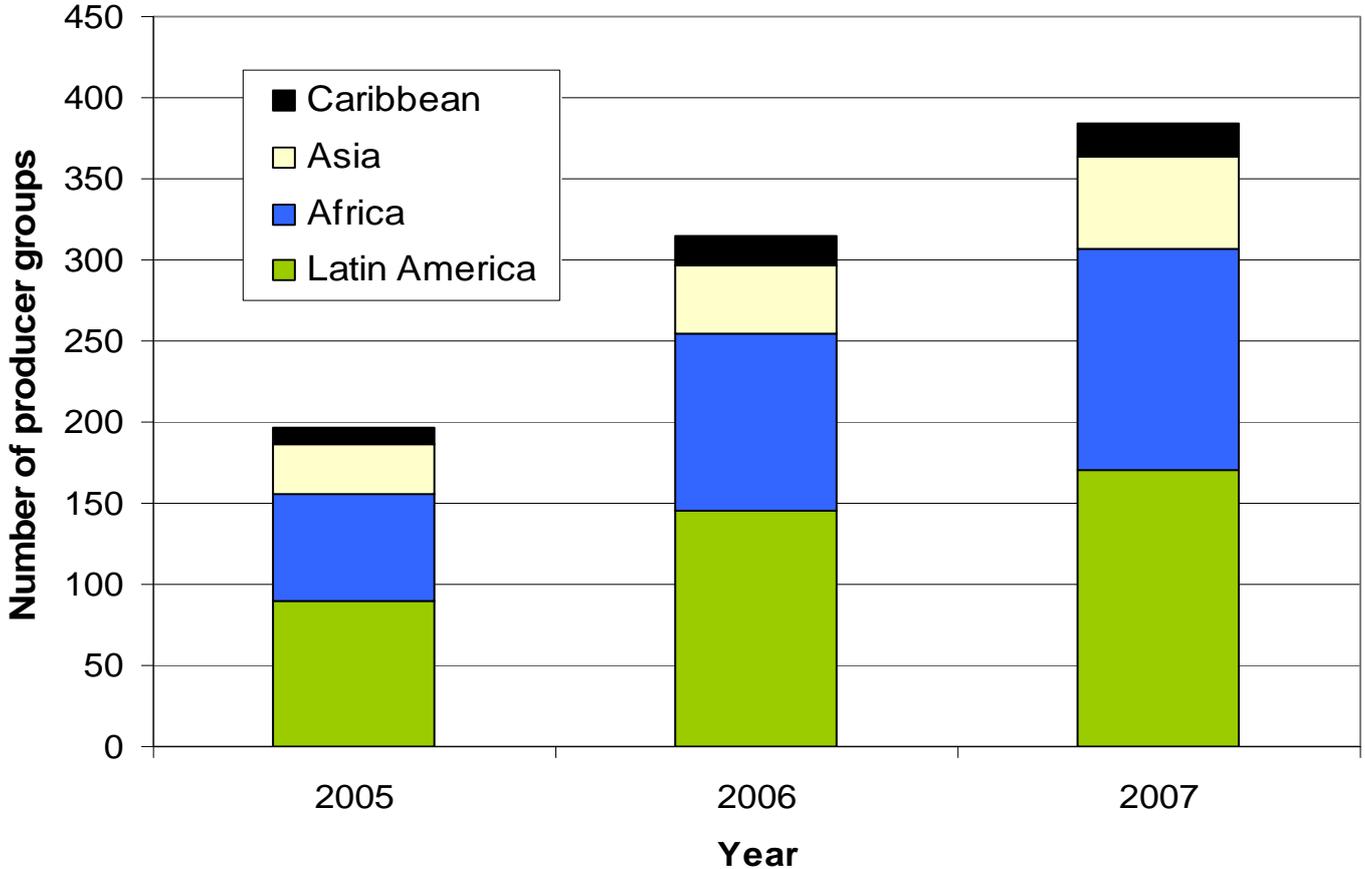


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### Look at the bar chart

13. Approximately how many producer groups were there in 2005? \_\_\_\_\_
14. Approximately how many producer groups were there in 2007? \_\_\_\_\_
15. Would you say that from 2005 to 2007 the number of producer groups have roughly increased by
  - a) 50%?
  - b) 100%?
  - c) 300%?

Another way of saying this is that the number of producer groups has

- a) halved
- b) tripled
- c) doubled

16. How many producer groups were there in Latin America in 2006?  
Give your answer to the nearest 10. \_\_\_\_\_
17. From the four given world areas, which has the lowest number of producer groups? \_\_\_\_\_

Why do you think this might be? \_\_\_\_\_



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## The five goals

### To become a Fairtrade University or College

1. The Student Union (or equivalent) and the university or college authorities both create a Fairtrade policy incorporating these five goals.
2. Fairtrade foods are made available for sale in all campus shops. Fairtrade foods are used in all cafés/restaurants/bars on campus. Where this is not possible, there is a commitment to begin to use Fairtrade foods in these establishments as soon as it becomes possible to do so.
3. Fairtrade foods (for example, coffee and tea) are served at all meetings hosted by the university or college and the Student Union (or equivalent), and are served in all university or college and Student Union management offices.
4. There is a commitment to campaign for increased Fairtrade consumption on campus.
5. A Fairtrade Steering Group is established.

[http://www.fairtrade.org.uk/get\\_involved/campaigns/fairtrade\\_universities/the\\_5\\_goals.aspx](http://www.fairtrade.org.uk/get_involved/campaigns/fairtrade_universities/the_5_goals.aspx)

### Look at the five goals needed to become a Fair Trade College

18. Do you think your college should be one?

If you do, what can you do about it?

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## Answers

Read the text above and then answer the questions.

1. What is 40% as a fraction and as a decimal? **4/10 (2/5) 0.4**
2. If 40% of the world's population receive only 5% of global income, what do the other 60% of the population receive? **95%**
3. Do the richest 10% of the population receive over half of the world's income? **Yes - the richest 10% receive 54% of the world's income (and 54% is greater than a half).**
4. Write the fraction (using numbers) of those that live on less than \$1 a day? **1/4**
- 5a. What fraction live on more than \$1 dollar a day? **3/4**
- 5b. Write this as a decimal **0.75** and as a percentage **75%**
6. Write 416 million in numbers. **416,000,000**
7. What do you think about the last statement in the text? Is this fair? **Student's own comments**

Look at the graph.

8. What is the highest price paid for coffee? **280 US cents per lb (pound)**
9. What is the lowest price paid for coffee? **45 US cents per lb**
10. What was the lowest price paid for Fair Trade coffee? **125 US cents per lb**
11. Explain why the Fairtrade prices are 'flat' in several parts of the graph. (*Level 2*)  
**When the New York price of coffee drops below 125 cents per lb (as it did for prolonged periods between 1989-1993 and 1999-2004 (and other shorter periods – see graph) the Fairtrade minimum price is fixed at 125 cents (previously 121 cents) no matter how low the New York price drops.**
12. Comment on scale of the horizontal axis. (*Level 2*)  
**It doesn't mark the years at regular intervals - instead it shows the year and month (not always the same month!) when there were particular highs or lows in the coffee market.**

Look at the bar chart

13. Approximately how many producer groups were there in 2005? **200**
14. Approximately how many producer groups were there in 2007? **380 (accept 400)**
15. Would you say that from 2005 to 2007 the number of producer groups have roughly increased by b) **100%**?  
Another way of saying this is that the number of producer groups has c) **doubled**
16. How many producer groups were there in Latin America in 2006? Give your answer to the nearest 10. **150**
17. From the four given world areas, which has the lowest number of producer groups? **Caribbean**  
Why do you think this might be? **Smaller population? Smaller land area?**

Look at the five goals needed to become a Fair Trade College

18. Do you think your college should be one? **Student's own answer**  
If you do, what can you do about it? **Student's own comments**