Decimals IGCSE Higher Tier Past Exam Questions

Nov 2008 3H Paper

1. Find the value of \( \frac{7.9 + 3.8}{8.6 - 2.1} \)

June 2008 3H Paper

1. Find the value of \( \frac{3.6 \times 4.8}{5.6 - 3.2} \)
May 2008 4H Paper

11. Joshi chooses two numbers from the box.

Marie says

“When you round Joshi’s two numbers to 1 decimal place, they are equal.”

Mikos says

“When you round Joshi’s two numbers to 3 significant figures, they are NOT equal.”

Both statements are correct.

Write down Joshi’s two numbers.

Nov 2007 4H Paper

1. Work out \( \frac{5.9 - 4.3}{1.3 + 1.2} \)
17. Michael says "When the fraction \( \frac{n}{45} \) is converted to a decimal, it never gives a terminating decimal."

(a) (i) Find a value of \( n \) which shows that Michael is wrong.

\[ n = \ldots \ldots \ldots \ldots \]

(ii) Write down the name of the type of number \( n \) must be, when \( \frac{n}{45} \) gives a terminating decimal.

(b) \[ \frac{62}{45} < \sqrt{2} < \frac{64}{45} \]

Use these bounds to write the value of \( \sqrt{2} \) to an appropriate degree of accuracy. You must show your working and explain your answer.