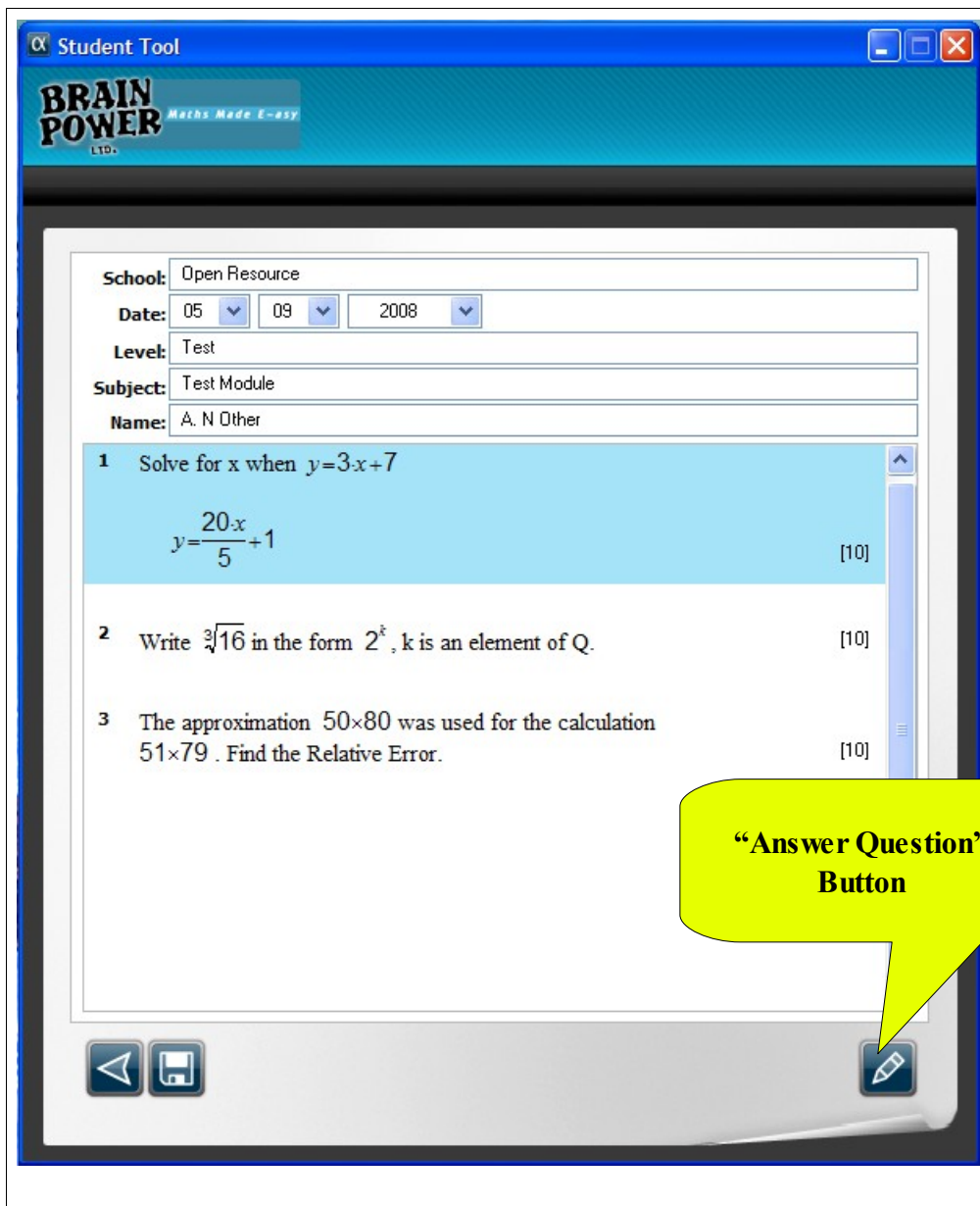


Step 2

Select the question you wish to attempt then click the “Answer Question” button.



The screenshot shows the 'Student Tool' interface for 'BRAIN POWER LTD.' with the tagline 'Maths Made E-easy'. The interface includes a header with the logo and a main content area with a form and a list of questions.

School: Open Resource
Date: 05 / 09 / 2008
Level: Test
Subject: Test Module
Name: A. N Other

1 Solve for x when $y=3x+7$
$$y=\frac{20x}{5}+1$$
 [10]

2 Write $\sqrt[3]{16}$ in the form 2^k , k is an element of Q. [10]

3 The approximation 50×80 was used for the calculation 51×79 . Find the Relative Error. [10]

At the bottom right, there is a yellow callout bubble pointing to a pencil icon, labeled "Answer Question" Button. At the bottom left, there are navigation icons for back, forward, and home.

Step 3

Read the question and then click the “Add Step” button to attempt the solution.

The screenshot shows a software window titled "Student Tool" with the "BRAIN POWER LTD." logo and the tagline "Maths Made E-easy". The main content area is titled "Question 1" and contains the text "Solve for x when $y=3x+7$ " and the equation $y=\frac{20x}{5}+1$. A yellow callout bubble points to this text with the label "Question appears here". Below the question is a calculator interface with a numeric keypad (0-9), arithmetic operators (+, -, =, ÷), and variables (x, y). The display shows the number "10". Below the calculator is a "Solution:" input area. A yellow callout bubble points to a plus sign icon in the bottom right corner of the solution area with the label "“Add Step” Button". At the bottom of the window, there are several icons: a close button (X), a refresh button (*), a copy button (L), and a save button (floppy disk). The text "Total Steps: 5" is visible in the bottom left corner of the solution area.

Step 4

Read the directions given and enter the solution using the input bar and the keyboard.

The screenshot shows a software window titled "Student Tool" with the logo "BRAIN POWER LTD. Maths Made E-easy". The main content area is titled "Solution - Step 1" and contains the following elements:

- Directions:** A text box containing the instruction: "Input the value for y given in the question into the equation." A yellow callout bubble points to this text.
- Question or previous step:** A text box containing the equation: "Solve for x when $y=3x+7$ ". A yellow callout bubble points to this text.
- Input Bar:** A horizontal bar with a calculator keypad interface. It includes symbols for addition (+), subtraction (-), multiplication (*), division (/), and a decimal point (.), along with digits 1-9, 0, and variables x and y. A yellow callout bubble points to this bar.
- Answer:** A large empty text box for the user to input the solution. A yellow callout bubble points to this area with the text "Enter solution here".

At the bottom of the window, there are several icons: a refresh icon (circular arrow), a checkmark icon, a save icon (floppy disk), and a close icon (X).

Section 2: Using the input control

The most important thing that you need to know about using the input control, is that you need to put the focus on the section you wish to control. You do this by highlighting the area in red by using the right arrow key (use the left arrow key to deselect). Here are some examples.

Example 1:

In this example we want to enter 10x over 5.

As you can see in the screen shot below, x is highlighted in red and 10 is not.

Answer: _____
10·x|

If we press the divide button and enter the number 5 we see that only the x is divided by 5. This is not what we want.

Answer: _____
10· $\frac{x}{5}$ |

If we press the right arrow key both the 10 and the x become highlighted in red. This means that the focus of the control is on both elements.

Answer: _____
10·x|

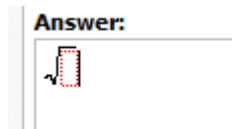
When the divide button is clicked both elements are divided by 5 as shown below.

Answer: _____
 $\frac{10·x}{5}$ |

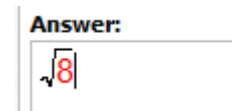
Example 2

We want to enter the cube root of eight.

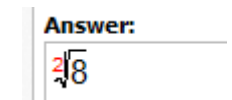
Firstly, enter the square root symbol by clicking it on the input bar.



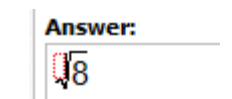
Once you have done this, enter the number 8 as follows.



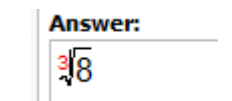
Press the up arrow key or click to the left side of the square root sign. The following will occur.



Press backspace



Enter the number 3 into the appropriate box.



Section 3: How to check your answer

After you have entered an answer you can check if it is correct by clicking the “Check” button. Click the save button to save your answer to that step of the solution.

The screenshot shows a software window titled "Student Tool" with the "BRAIN POWER LTD." logo and the tagline "Maths Made E-easy". The main content area is titled "Solution - Step 1" and contains the instruction: "Input the value for y given in the question into the equation." Below this is a text input field. The equation $y = \frac{20x}{5} + 1$ is displayed. Below the equation is a calculator interface with a plus sign button and a minus sign button. The text "Answer:" is followed by the equation $3x + 7 = \frac{2}{5}$. A dialog box with a green checkmark and the word "Correct" is overlaid on the calculator area, with an "OK" button. At the bottom right of the main window, there are two buttons: a checkmark button and a save button (represented by a floppy disk icon). A yellow speech bubble points to the checkmark button with the text "“Check” Button". Another yellow speech bubble points to the save button with the text "“Save” Button".