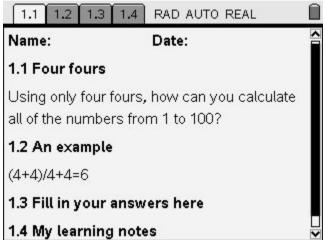
Four Fours

Teacher Notes

Introduction

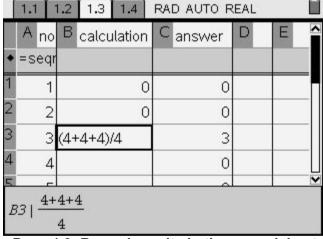
Can you calculate each of the integers from 1 to 100, using just the digit 4 four times, together with mathematical operations and symbols? The document entitled FourFours.tns provides a workspace for students to tackle this activity.

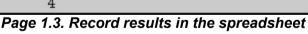


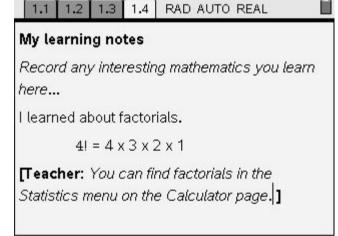
1.1 1.2 1.3 1.4 RAD AUTO REAL 4+4+44 52 9 $4 \cdot \sqrt{4 + \frac{4}{3}}$ 26 4 3/99

Page 1.1. Contents list

Page 1.2 Try out expressions here







Page 1.4. A notes page for students

This document has been developed from an initial idea by Cindy Hunt and Linda Lewendon of Davison High School, Worthing.



In addition to these notes, there is also a short video tutorial showing how to use the TI-Nspire document.

How to copy an expression to the spreadsheet

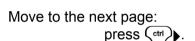
Found an expression to record? This one gives the answer 3.

Highlight the expression:

use the **key**.

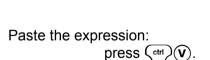
To copy it:

press ctrl C.

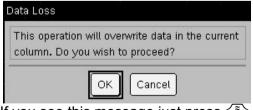


Find where to put it. This expression gives the answer 3, so it must go in that row. Use the NavPad to move to the required cell.

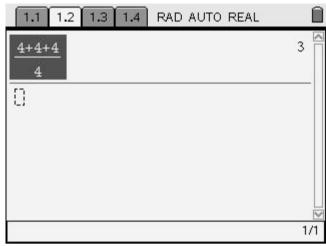
If necessary you can scroll down: press and hold ▼.



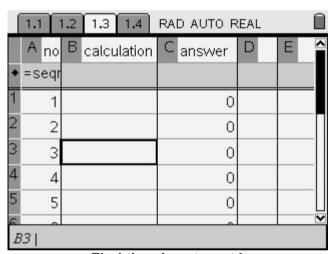
Check that the right answer appears in column C.



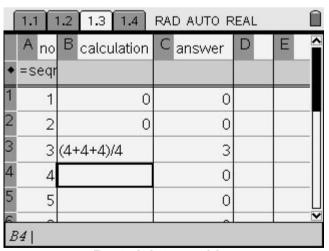
If you see this message just press (enter).



Highlight the expression to copy



Find the place to put it



Paste it into position

Suggestions for classroom use

Students are able to make changes to all four pages of the document.

Page 1.1: a space to enter name and date.

Page 1.2: a calculator page where they can experiment with different expressions.

Page 1.3: a record of current progress.

Page 1.4: a notes page where they can record interesting mathematics

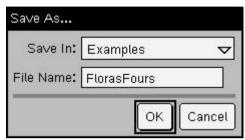
This means that students will be creating their own version of the document on the handheld, so a crucial first step will be for them to save the file under a new name. They will need the Save As option from the File menu: press:



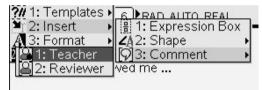
It is possible for teachers to insert comments on notes pages. Press:



You may wish to consider photocopying the second page of these Teacher Notes if you feel students will need a reminder of how to copy an expression from the Calculator page to the Spreadsheet.



The Save As dialog box



Inserting a comment by the teacher