

Teacher Guidance:

Using this resource:

This resource aims to improve calculator fluency for students in Key Stage 3/ GCSE Foundation classes. The cross number can be projected on the board, or printable versions are available.

Printable documents have been resized so that two worksheets (1 per student) are printed on each page.

Calculator Guidance:

Clue **6-Down** requires students to use the % button in the catalogue.

- Find this by pressing **CATALOG**  > Probability  > % 

Clue **11-Across** requires students to use the greatest common divisor function in the catalogue.

- Find this by pressing **CATALOG**  > Numeric Calc  > GCD 

Going Deeper:

These questions extend students' calculator skills by probing them to think about how the use of the answer button, brackets or other changes to the input may affect the correct answer. Students should draw on ideas about negative numbers and BIDMAS, and how inputs are interpreted by calculators.

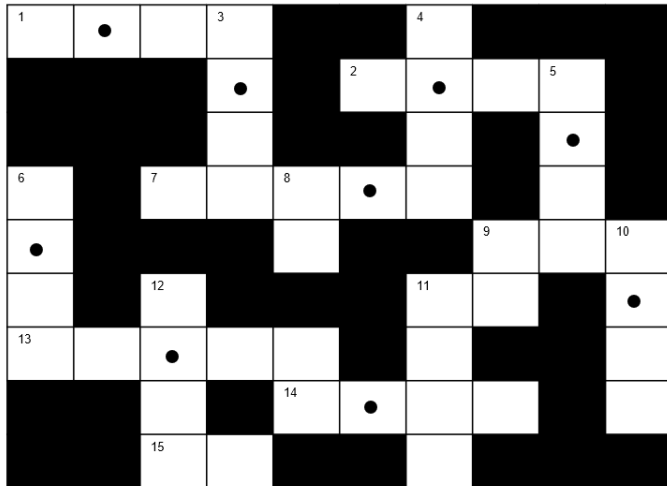
Going deeper questions are available on the PowerPoint version of this resource.

Calculator Skills: Cross Number

fx-83GT CW+ and fx-85GT CW+

Use your calculator to answer the clues to the cross number below.

Give all decimal answers to 2 d.p.



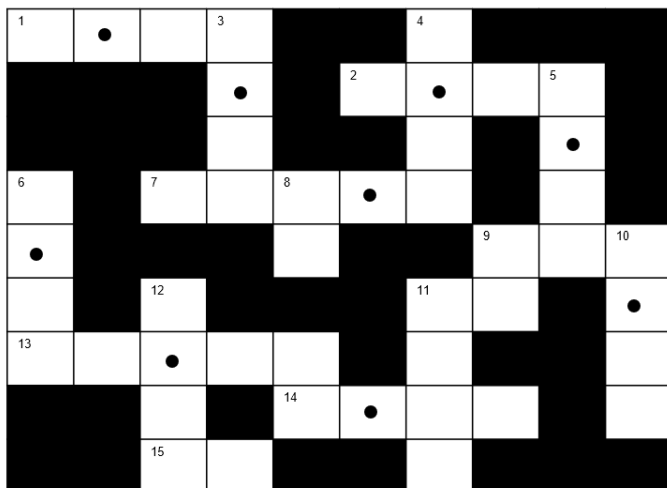
Down:		Across:	
3	$\frac{10 \text{ Down}}{2} \times 7$	1	$\sqrt{2} \times \frac{1}{5}$
4	1 hr 8 min 15 sec as a decimal	2	1 Across $\times 1.4^2$
5	$(-2.4)^2 - 0.5^2$	7	$-3.6 + 9 \times 10^2$
6	$247\% \times 3$	9	$\frac{9}{2} \div \frac{3}{5}$ as digits
8	$(2 + 3) \times 3\sqrt{16}$	11	The HCF of 765 and 540
9	$\sqrt[3]{125} + \frac{2}{3} \div \frac{1}{3 \times 5 \times 7}$	13	$13.8 - 26 \times 0.35$
10	$\sqrt{5\frac{3}{4}}$	14	3 hr 16 min 38 sec as a decimal
11	4.62×10^3	15	$\frac{312}{6 \times 2^2}$
12	$6\left(\frac{2}{7}\right) + 0.4$		

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