



Fractions and decimals – Victoria

Objectives

The relevant framework objective is:

- recognise the equivalence between the decimal and fraction forms of one half, one quarter, three quarters, one eighth... and tenths, hundredths and thousandths.

Activity description

The teacher asked the pupils to write the decimal equivalents of fractions represented on a grid.

Commentary

Converting fractions to decimals typifies performance at level 5 in this aspect of Ma2.

Here Victoria has demonstrated that she is able to convert fractions to decimals, using different combinations of numerators and denominators, for example $7/4$ is given as 1.75 and $3/10$ as 0.3.

To develop her work Victoria should use a calculator to convert other fractions to decimals and look for patterns in the results.



Items of work

Victoria's grid converting fractions to decimals

10									1	
9								1	0.9	
8							1		0.8	
7			1.75			1			0.7	
6		2			1		0.75	0.66	0.6	
5				1					0.5	
4			1	0.8					0.4	
3	1.5	1	0.75		0.5				0.3	
2	1		0.5	0.4			0.25		0.2	
1	1								0.1	
	1	2	3	4	5	6	7	8	9	10

Denominator



About this entry

Subject:	mathematics
Year:	6
Key stage:	2
NC programme of study:	Ma2p2f
Attainment target:	Ma2
Evidence for:	level 5