

Ma

YEAR

4

LEVELS

2–4

Mental
mathematics

Optional mathematics tests

Grid for test analysis

This grid is for optional use and has been provided to help teachers analyse the performance of pupils in the year 4 optional mathematics tests.

The grid provides information on which part of the Programme of Study is targeted by each question. Sometimes a question covers more than one part of the Programme of Study. Where this is the case, a judgement has been made as to what is the main focus of the question.

Teachers may find it useful to record the performance of their pupils in order, with the pupils who have scored the highest marks in the test first. This will allow patterns in attainment to be seen more easily. It can be used to analyse the performance of particular groups of pupils, eg those for whom English is an additional language, pupils with special educational needs or those just missing a level 4. It might also be useful to look at a particular question or group of questions – have they been answered well or badly; why might this be?

Many local education authorities provide something similar to this grid, either on paper or in the form of a spreadsheet. This grid is not intended to supersede any of these materials. It is for optional use and is intended for those teachers who do not have access to other materials.



Year 4 optional mental mathematics test – grid f

Fill in the grid as follows:

- 1 for mark awarded
- 0 for question attempted but no mark awarded
- for question omitted

The national percentage for each question (which can be entered below) will be available on the QCA website www.qca.org.uk from early 2007.

Names	Level achieved
1	
2	
3	
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35	
36	

Total number of marks per question
Total number of omitted questions
Class percentage correct per question
National percentage correct per question

UAM
PoS ref
Question
Mark

Addition (context)	Multiplication	Subtraction	Doubling	Rounding	Use units of time	Division	Decimals	Length – conversion
N4a	N3f	N3e	N3g	N2c	S4d	N3h	N3g	S4a
1	2	3	4	5	6	7	8	9
1	1	1	1	1	1	1	1	1

or test analysis

	Halving	Addition	2-D shape – properties	Division – remainders	Subtraction (context)	Place value	Multiplication and inverses	Multiplication and addition	Fraction of number	Multiples	Fraction – equivalence
	N3g	N3d	S2b	N3b	N4a	N3a	N2c	N3f	N2d	N2b	N2e
10	11	12	13	14	15	16	17	18	19	20	
1	1	1	1	1	1	1	1	1	1	1	

Total score	Total number of omitted questions

