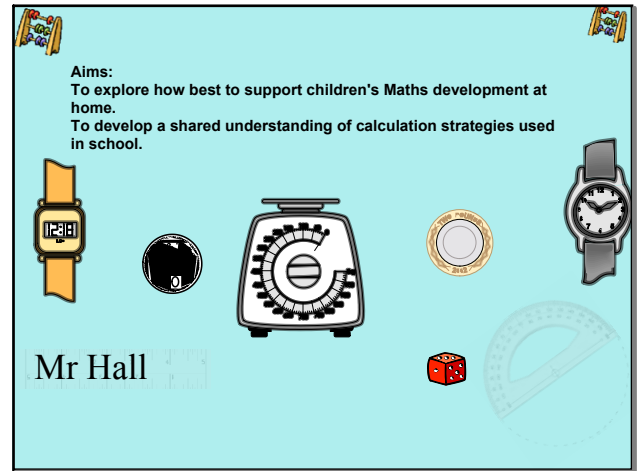


Mar 9-11:41



Mar 9-11:41

Addition

2005 Test A level 4 question

Calculate

$$1202+45+267=$$

Questions to consider:

- 1.How would you expect a y6 child to answer this question?
- 2.What percentage of y6 children answered the question correctly?

Mar 9-11:09

Number lines

47+69

Mar 9-11:09

Why number lines?

p and q each stand for whole numbers.
 $p + q = 1000$
 p is 150 greater than q
 Calculate the numbers p and q.

Mar 9-11:09

Compact methods

47+69=

$$\begin{array}{r} 69 \\ 47 \\ \hline \end{array} +$$

1202+45+267=

$$\begin{array}{r} 1202 \\ 45 \\ 267 \\ \hline \end{array} +$$

Mar 9-11:09

Subtraction

Question from 2001 Test paper A.
Level 4 question

Calculate $1025 - 336$

Questions to consider:

1. How would you expect a y6 child to answer this question?
2. What percentage of y6 children answered the question correctly?

Subtraction by counting on or back-
Subtraction by finding the difference

Feb 6-13:44

Feb 6-13:44

$56 - 28$

28 56

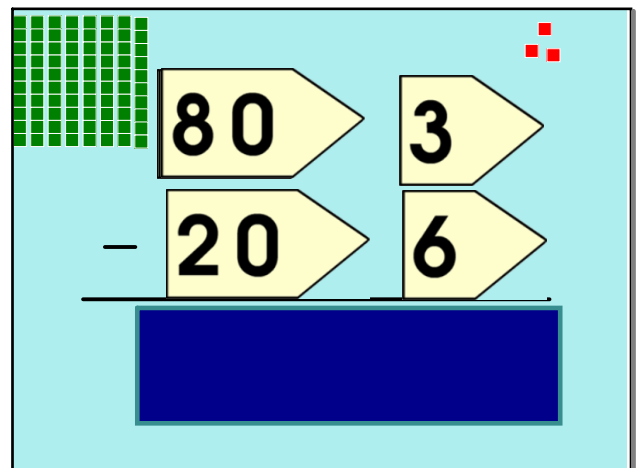
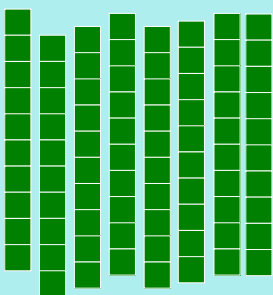
28 56

Subtraction
by decomposition

Mar 9-11:02

Feb 6-13:44

$83 - 26$



Feb 6-13:45

Feb 6-13:45

$$83 - 26$$

$$\begin{array}{r} 80 \rightarrow 3 \\ - 20 \rightarrow 6 \\ \hline \end{array}$$

Feb 6-13:45

$$83 - 26$$

$$\begin{array}{r} 83 \\ - 26 \\ \hline \end{array}$$

Feb 6-13:45

$$1025 - 336 =$$

$$\begin{array}{r} 1025 \\ - 336 \\ \hline \\ \hline \end{array}$$

Dec 4-15:43

Multiplication

2003 level 4 questions

Calculate $453 \times 8 =$

Calculate $47 \times 32 =$

How would you expect a y6 child to answer these questions?

Mar 9-11:08

Tables



Mar 9-11:11

Tables

x	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

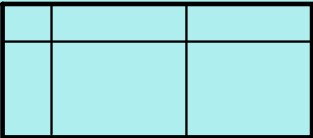
Mar 9-11:11

27x4

Grid method

Expanded Method

Compact method



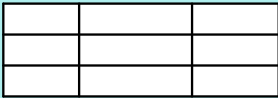
Mar 9-11:11

47x32

Grid method

Expanded Method

Compact method



Mar 9-11:11

Division

2008 Level 4 question

Calculate $364 \div 7 =$

How would you expect a y6 child to answer this question?

Mar 9-11:08


74 divided by 4

0

74

0

74



Dec 20-10:24

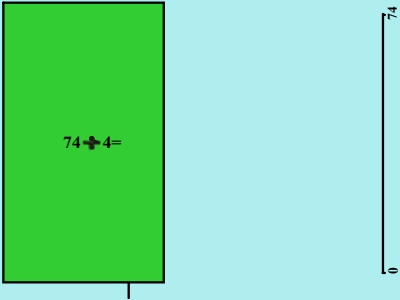
Formalising the method.

Beginning to chunk

74 \div 4 =

74

0



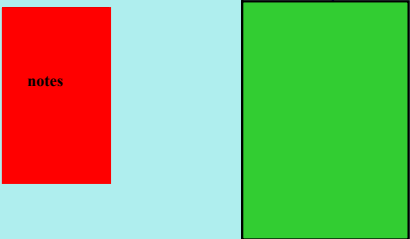
Feb 17 - 14:01

The next steps:

4325 \div 17 =

17 $\overline{) 4325}$

notes



Dec 3-14:05

Compact Method

$$7 \overline{)364}$$

Dec 3-14:06

Using a calculator

Level 4 calculator calculation questions

1. Write what the numbers in the boxes could be.

$$10 \times \boxed{} = \boxed{} - 10$$

3)
Calculate $\frac{3}{4}$ of £18

2. The signs are missing from these number sentences. Write in the missing signs, $+$, $-$, \times or \div . The first has been done for you.

$$6 \times 5 = 40 \div 10$$

$$20 \div 8 = 4 \times 7$$

$$21 \div 3 = 15 \times 8$$

Nov 26-13:26

Using a calculator

Level 5 calculator calculation questions

1. Here are five calculations.

- A $720 \div 64$
- B $820 \div 75$
- C $920 \div 80$
- D $1020 \div 90$
- E $1120 \div 100$

Write the letter of the calculation that has the **greatest** answer.

1 mark

Write the letter of the calculation that has an answer **closest to 11**.

1 mark

2. How much less than 1000 is $9.7 \times 9.8 \times 9.9$?

1 mark

3. Find the multiple of 45 that is closest to 8000.

Show your method. You may get a mark.

2 marks

Nov 26-13:26

Other sites

www.bbc.co.uk/revisewise

www.brainpop.com

For Y5 and 6- www.mathletics.co.uk
or google maths games

Questions



Mar 9-11:20

Attachments

grid multiplication v2.xls

grid multiplication.xls