

Addition

I can solve any 2 digit number + 2 digit number.

I can solve a 3 digit number + a 2 digit number

I can solve any 3 digit number + a 2 digit number

$$\begin{array}{rcl} 59 + 36 & = & 50 + 9 \\ & & \underline{30 + 6} \\ & & 80 + 15 = 95 \\ & & \underline{\hspace{1.5cm}} \end{array}$$

$$\begin{array}{rcl} 123 + 34 & = & 100 + 20 + 3 \\ & & \underline{30 + 4} \\ & & 100 + 50 + 7 = 157 \\ & & \underline{\hspace{1.5cm}} \end{array}$$

$$\begin{array}{rcl} 149 + 62 & = & 100 + 40 + 9 \\ & & \underline{60 + 2} \\ & & 100 + 100 + 11 = 211 \\ & & \underline{\hspace{1.5cm}} \end{array}$$

Steps 1,2,3,4 from column methods

I can solve $2d + a\ 2d$ $\longrightarrow$

$$\begin{array}{r} +\ 3\ 6 \\ \ 4\ 2 \\ \hline \ 7\ 8 \end{array}$$

I can solve any $2d + 2d$ $\longrightarrow$

$$\begin{array}{r} +\ \ \ 7\ 6 \\ \ \ 4\ 8 \\ 1\overline{)2\ 4} \\ \hline \ \ \ 1 \end{array}$$

I can solve a 3 digit add $2d$ $\longrightarrow$

$$\begin{array}{r} 4\ 4\ 2 \\ \ 3\ 6 \\ \hline 4\ 7\ 8 \end{array}$$

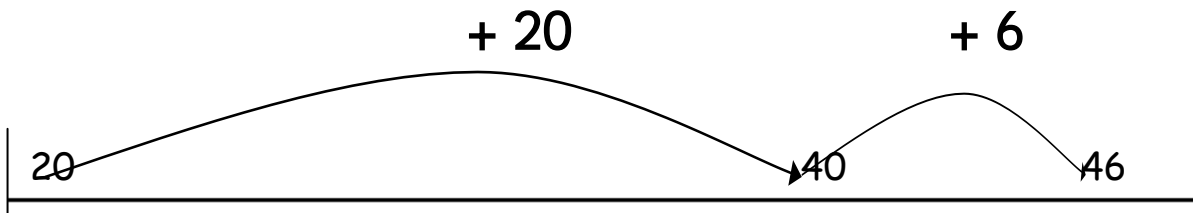
I can solve any $3d$ add $2d$ $\longrightarrow$

$$\begin{array}{r} 5\ 4\ 7 \\ \ 9\ 4 \\ \hline 6\ 4\ 1 \\ \hline 1\ 1 \end{array}$$

Subtraction

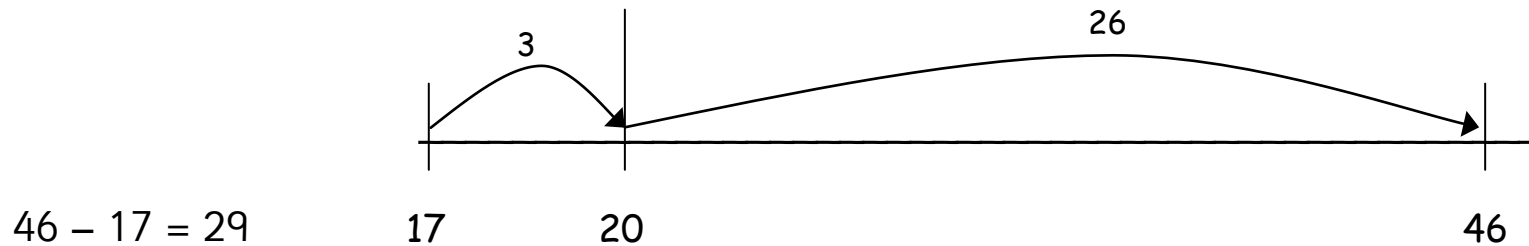
Mentally I can take a multiple of 10 from any 2 digit number.

$$46 - 20 =$$



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Mentally I can find the 2 gaps in a 2 digit – 2 digit question.



$$46 - 17 = 29$$

17

20

46

Jump 1- Next ten
Jump 2- Straight to the end

Steps 1-4 from column methods

I can solve a 2d-2d



$$\begin{array}{r} 96 \\ - 42 \\ \hline 54 \end{array}$$

I can solve any 2d-2d



$$\begin{array}{r} \cancel{6} \cancel{1} 6 \\ - 48 \\ \hline 28 \end{array}$$

I can solve a 3d-2d



$$\begin{array}{r} 986 \\ - 42 \\ \hline 944 \end{array}$$

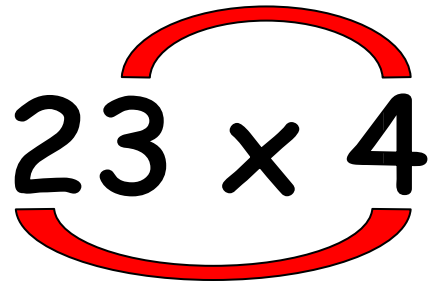
I can solve any 3d-2d



$$\begin{array}{r} \cancel{8} \cancel{1} \cancel{2} \cancel{1} \\ - 82 \\ \hline 849 \end{array}$$

Multiplication

I can solve a 2 digit number x a 1 digit number

$$23 \times 4$$


$$80 + 12 = 92$$

$$20 \times 4 = 80$$

$$3 \times 4 = 12$$

I can do any smile multiplication.

$$9 \times \underline{60} = \underline{540}$$


54

$$\underline{80} \times \underline{70} = \underline{5600}$$


56

I can use a formal written method

I can solve a 2d x 1d →

$$\begin{array}{r} 35 \\ \times 5 \\ \hline 175 \\ \hline \end{array}$$

I can solve any 2d x 1d →

$$\begin{array}{r} 85 \\ \times 6 \\ \hline 510 \\ \hline \end{array}$$

I can solve any 3d x 1d →

$$\begin{array}{r} 385 \\ \times 6 \\ \hline 2310 \\ \hline \end{array}$$

Division

I can use a tables fact to find a division fact.

$$\square \div 2 = 4$$

$$20 \div a = 4$$

$$\square \div \square = 4$$

$$24 \div \square = 12$$

$$y \div 10 = 8$$

If $4 \times 8 = 32$ then $32 \div 8 = 4$

* Children to use their knowledge of the Learn Its to support them with this *

I can use a tables fact to find a division fact (with remainders).

$$25 \div 7 = 3 \text{ r } 4$$

Write down the biggest multiple you can see in the starting number. **21**

Write how many 'lots of' that is. **3**

Write how many are left in the starting number to show your remainder. **4**

I can use a formal written method

Steps 1-4

I can solve a 2d divided by 1d-no remainders in questions

—————→

$$\begin{array}{r} 23 \\ 3 \overline{) 69} \end{array}$$

I can solve a 2d divided by 1d-no remainders in answer

—————→

$$\begin{array}{r} 27 \\ 3 \overline{) 81} \end{array}$$

I can solve a 2d divided by 1d using any table-no remainders in answer

—————→

$$\begin{array}{r} 14 \\ 6 \overline{) 84} \end{array}$$

I can solve a 3d divided by 1d –no remainders in answer

$$\longrightarrow \begin{array}{r} 042 \\ 7 \overline{) 294} \end{array}$$

Steps 5 -6

I can solve a 4d divided by a 1d-no remainders in answer

$$\longrightarrow \begin{array}{r} 0406 \\ 9 \overline{) 3654} \end{array}$$

I can solve any 2d divided by 1d with remainders

$$\longrightarrow \begin{array}{r} 083 \text{ r } 5 \\ 6 \overline{) 503} \end{array}$$

