

# MATHS TARGETS YEAR 4

Good

Great

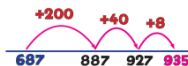
Super

Outstanding

## Addition

A3c: Forwards Jump

$$687 + 248 = 935$$



A4c: Partitioning

$$\begin{aligned} 687 + 248 &= 935 \\ 600 + 200 &= 800 \\ 80 + 40 &= 120 \\ 7 + 8 &= 15 \\ &935 \end{aligned}$$

A5c: Partition Jot

$$\begin{aligned} 687 + 248 &= 935 \\ 800 + 120 + 15 &= 935 \end{aligned}$$

A6: Expanded Column

$$\begin{array}{r} 687 \\ + 248 \\ \hline 935 \end{array}$$

A7: Column Addition

$$\begin{array}{r} 687 \\ + 248 \\ \hline 935 \end{array}$$

A5d: Partition Jot

$$4873 + 3762 = 8635$$

$$7000 + 1500 + 130 + 5$$

A7d: Column Addition

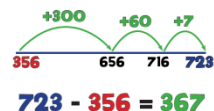
$$\begin{array}{r} 4873 \\ + 3762 \\ \hline 8635 \end{array}$$

A7e: Column Addition

$$\begin{array}{r} 787567 \\ + 446278 \\ \hline 1233845 \end{array}$$

## Subtraction

S9c: 100s, 10s, 1s Jump



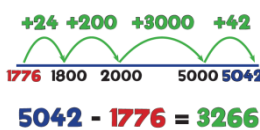
S10: Expanded Column

$$\begin{array}{r} 723 \\ - 356 \\ \hline 367 \end{array}$$

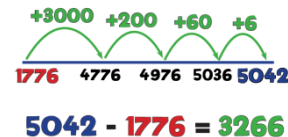
S11: Column Subtraction

$$\begin{array}{r} 723 \\ - 356 \\ \hline 367 \end{array}$$

S8d: Quad Jump Extreme



S9d: 1000s, 100s, 10s, 1s Jump



S11d: Column Subtraction

$$\begin{array}{r} 5042 \\ - 1776 \\ \hline 3266 \end{array}$$

## Multiplication

M5: Grid Method

$$15 \times 5 = 75$$

x	10	5
5	50	25

$$50 + 25 = 75$$

(M6: Expanded Column)

$$\begin{array}{r} 15 \\ \times 5 \\ \hline 25 \quad (5 \times 5) \\ 50 \quad (5 \times 10) \\ \hline 75 \end{array}$$

(M7: Column Multiplication)

$$\begin{array}{r} 15 \\ \times 5 \\ \hline 75 \end{array}$$

M5a: Grid Method

$$43 \times 6 = 258$$

x	40	3
6	240	18

$$240 + 18 = 258$$

(M6: Expanded Column)

$$\begin{array}{r} 43 \\ \times 6 \\ \hline 18 \quad (6 \times 3) \\ 240 \quad (6 \times 40) \\ \hline 258 \end{array}$$

M6: Expanded Column

$$\begin{array}{r} 147 \\ \times 4 \\ \hline 28 \quad (4 \times 7) \\ 160 \quad (4 \times 40) \\ 400 \quad (4 \times 100) \\ \hline 588 \end{array}$$

M5b: Grid Method

$$147 \times 4 = 588$$

x	100	40	7
4	400	160	28

$$400 + 160 + 28 = 588$$

(M7: Column Multiplication)

$$\begin{array}{r} 43 \\ \times 6 \\ \hline 258 \end{array}$$

M7a: Column Multiplication

$$\begin{array}{r} 3647 \\ \times 4 \\ \hline 14588 \end{array}$$

## Division

(D10: Short Division)

$$65 \div 4 = 16r1$$

$$4 \overline{) 65} \begin{array}{l} 16 \\ \underline{64} \\ 1 \end{array}$$

(D11: Chunking)

$$\begin{array}{r} 16r1 \\ 4 \overline{) 65} \\ \underline{40} \quad (4 \times 10) \\ 25 \\ \underline{24} \quad (4 \times 6) \\ 1 \end{array}$$

$$65 \div 4 = 16r1$$

D9: Mega Hunk!

$$136 \div 4 = 34$$

$$\begin{array}{r} \text{Mega Hunk!} \\ 120 \div 4 = 30 \\ \text{Chunk} \\ 16 \div 4 = 4 \\ \hline 30 + 4 = 34 \end{array}$$

D10: Short Division

$$136 \div 4 = 34$$

$$4 \overline{) 136} \begin{array}{l} 34 \\ \underline{120} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

D11: Chunking

$$\begin{array}{r} 34 \\ 4 \overline{) 136} \\ \underline{120} \quad (4 \times 30) \\ 16 \\ \underline{16} \quad (4 \times 4) \\ 0 \end{array}$$

$$136 \div 4 = 34$$

D11b: Chunking

$$\begin{array}{r} 34 \\ 4 \overline{) 136} \\ \underline{40} \quad (4 \times 10) \\ 96 \\ \underline{80} \quad (4 \times 20) \\ 16 \\ \underline{16} \quad (4 \times 4) \\ 0 \end{array}$$

$$136 \div 4 = 34$$

D9c: Mega Hunk!

$$394 \div 6 = 65r4$$

$$\begin{array}{r} \text{Mega Hunk!} \\ 360 \div 6 = 60 \\ \text{Chunk} \\ 34 \div 6 = 5r4 \\ \hline 60 + 5r4 = 65r4 \end{array}$$