

MATHS TARGETS YEAR 3

Good

Great

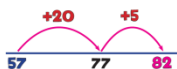
Super

Outstanding

Addition

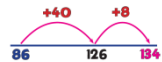
A3a: Forwards Jump

$$57 + 25 = 82$$



A3b: Forwards Jump

$$86 + 48 = 134$$



A4b: Partitioning

$$86 + 48 = 134$$

$$80 + 40 = 120$$

$$6 + 8 = 14$$

$$120 + 14 = 134$$

A5b: Partition Jot

$$86 + 48 = 134$$

$$120 + 14 = 134$$

(A6: Expanded Column)

$$\begin{array}{r} 57 \\ + 25 \\ \hline 82 \end{array}$$

(A6: Expanded Column)

$$\begin{array}{r} 86 \\ + 48 \\ \hline 134 \end{array}$$

A6: Expanded Column

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

(A7: Column Addition)

$$\begin{array}{r} 57 \\ + 25 \\ \hline 82 \end{array}$$

(A7: Column Addition)

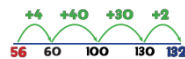
$$\begin{array}{r} 86 \\ + 48 \\ \hline 134 \end{array}$$

A7: Column Addition

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

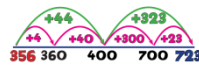
Subtraction

S8b: Quad Jump!



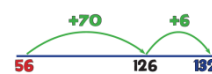
$$132 - 56 = 76$$

S8c: Big Jump!



$$723 - 356 = 367$$

S9b: 10s Jump, 1s Jump!



$$132 - 56 = 76$$

S9c: 100s, 10s, 1s Jun



$$723 - 356 = 367$$

(S10: Expanded Column)

$$\begin{array}{r} 132 \\ - 56 \\ \hline 76 \end{array}$$

S10: Expanded Column

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

(S11: Column Subtraction)

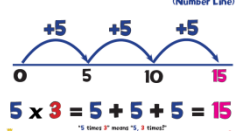
$$\begin{array}{r} 132 \\ - 56 \\ \hline 76 \end{array}$$

S11: Column Subtraction

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

Multiplication

M2: Repeated Addition



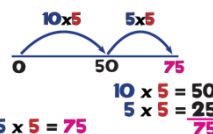
$$5 \times 3 = 5 + 5 + 5 = 15$$

M3: Arrays



$$3 \times 5 = 15 \text{ or } 5 \times 3 = 15$$

M4: Multi Boing!



$$15 \times 5 = 75$$

M4a: Partitioning

$$15 \times 5 = 75$$

$$10 \times 5 = 50$$

$$5 \times 5 = 25$$

$$50 + 25 = 75$$

M5: Grid Method

$$15 \times 5 = 75$$

x	10	5
5	50	25

$$50 + 25 = 75$$

(M7: Column Multiplication)

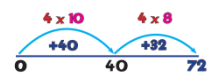
$$\begin{array}{r} 15 \\ \times 5 \\ \hline 75 \end{array}$$

(M6: Expanded Column)

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

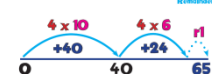
Division

D7: Chunking Jump



$$72 \div 4 = 18$$

D7a: Chunking Jump



$$65 \div 4 = 16r1$$

(D10: Short Division)

$$\begin{array}{r} 18 \\ 4 \overline{) 72} \end{array}$$

(D10: Short Division)

$$\begin{array}{r} 16r1 \\ 4 \overline{) 65} \end{array}$$

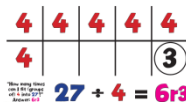
(D11: Chunking)

$$\begin{array}{r} 18 \\ 4 \overline{) 72} \\ \underline{- 40} \quad (4 \times 10) \\ 32 \\ \underline{- 32} \quad (4 \times 8) \\ 0 \end{array}$$

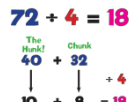
(D11: Chunking)

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

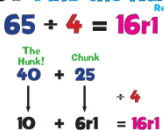
D6: Grouping Grid



D8: Find the Hunk!



D8a: Find the Hunk!



$$72 \div 4 = 18$$

$$65 \div 4 = 16r1$$