

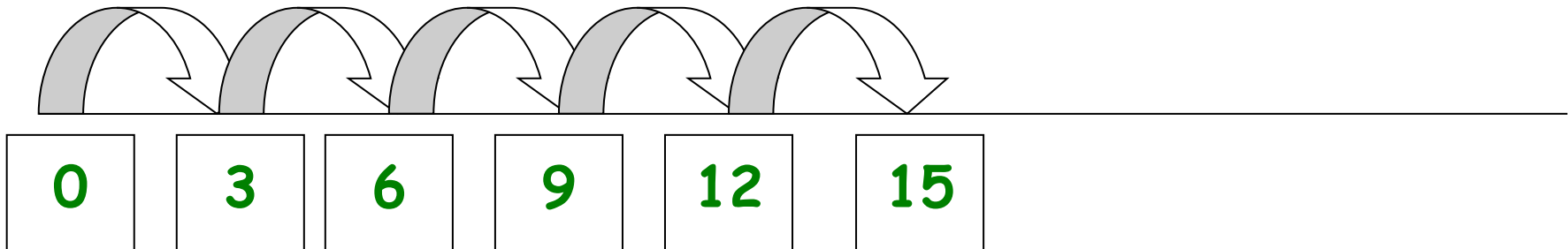
Stage 1 *Grouping objects*

$$6 \div 2 = 3$$



Stage 2 *Jumping in groups* *on a number line*

$$15 \div 3 = 5$$

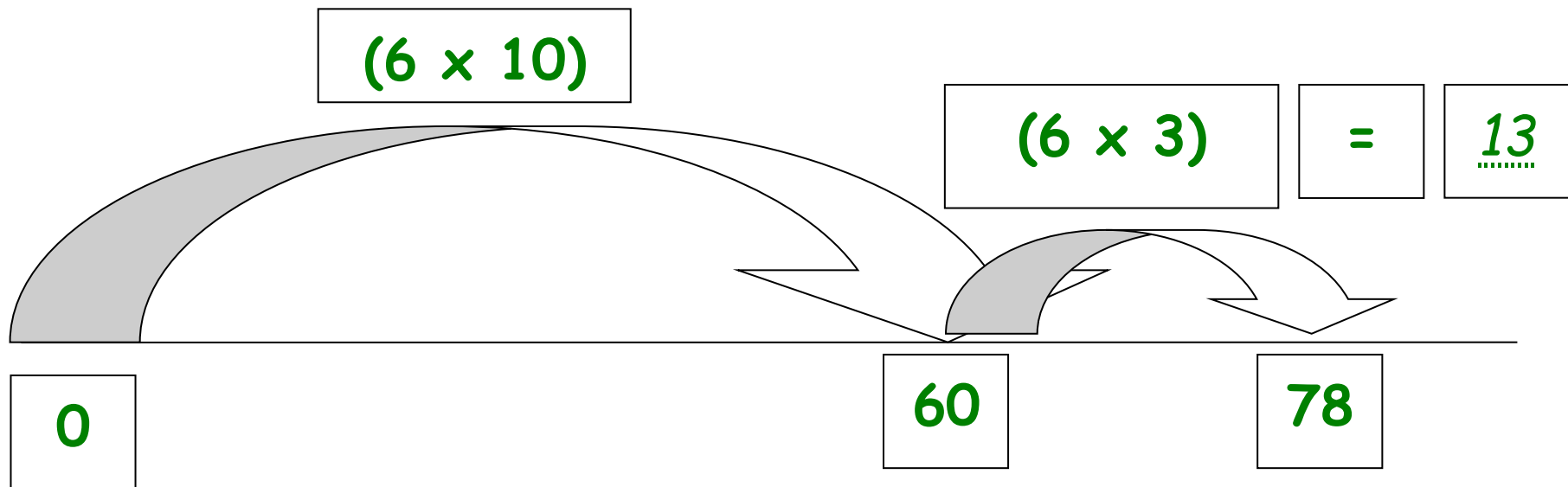


Stage 3

Jumping in

$$78 \div 6 = 13$$

efficient groups



Stage 4 *Jumping in multiples of the divisor*

$$972 \div 36 = 27$$

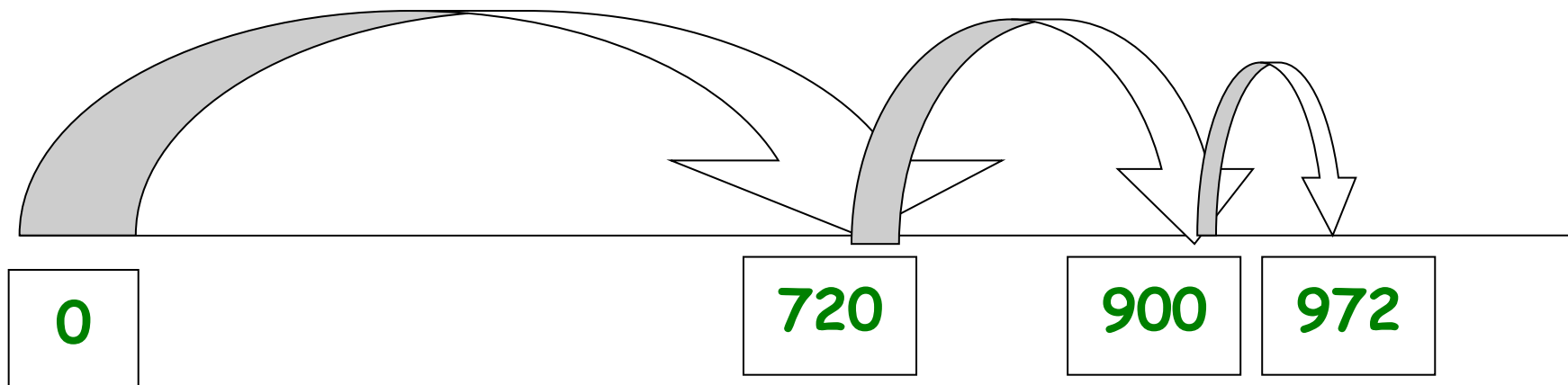
$$(36 \times 20)$$

$$(36 \times 5)$$

$$(36 \times 2)$$

=

27



Stage 5a *Using multiples of the divisor*

$$\begin{array}{r} 0 \\ + \underline{300} \quad (6 \times 50) \\ 300 \\ + \underline{60} \quad (6 \times 10) \\ 360 \\ + \underline{6} \quad (6 \times 1) \\ 366 \end{array}$$

$$366 \div 6 = 61$$

Stage 5b

*Using multiples
of the divisor*

$$\begin{array}{r} 0 \\ + \underline{720} \quad (36 \times 20) \\ 720 \\ + \underline{180} \quad (36 \times 5) \\ 900 \\ + \underline{72} \quad (36 \times 2) \\ 972 \\ \downarrow \text{r6} \\ 978 \end{array}$$

$$978 \div 36 = 27 \text{r}6$$

Stage 6a

*Formal short
division*

$$\begin{array}{r} 61 \\ 6 \overline{) 366} \end{array}$$

$$366 \div 6 = 61$$

Stage 6b

$$\begin{array}{r} 28 \\ 15 \overline{) 420} \\ \underline{30} \\ 120 \\ \underline{120} \\ 0 \end{array}$$

*Formal long
division*

$$420 \div 15 = 28$$

Early Stage *Pre-requisite skills*

Sharing practically



Grouping practically



Calculation within
verbal problems

Language

share
group
equal groups