

Multiplication: Introducing the formal written method (1)



Use the formal written method to calculate $\text{T} \text{O} \times \text{O}$

Challenges
1,2

Approximate the answer to each calculation.

a 37×4

b 54×4

c 69×3

d 34×8

e 76×3

f 48×4

g 55×5

h 88×8

i 76×3

j 87×5

Challenge
2

Find the answer to each of the calculations in Challenges 1,2 using the formal written method of multiplication. Check your answer is close to your estimated answer.

Example

$$68 \times 3 \rightarrow 70 \times 3 = 210$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 68 \\ \times \quad 23 \\ \hline 204 \end{array}$$

Challenge
3

The children used number cards and a spinner with the numbers 2, 3, 4, 5, 8 and 10 to make some calculations. They worked out the answers. Sam forgot to write the number from the spinner in each of his calculations. Can you work out which number he spun each time?

a $63 \times \text{Spinner} = 252$

b $57 \times \text{Spinner} = 228$

c $37 \times \text{Spinner} = 296$

d $83 \times \text{Spinner} = 664$

e $76 \times \text{Spinner} = 304$

f $76 \times \text{Spinner} = 380$

