

## SPOT THE MISTAKE

Here are some calculations.

There are some mistakes and some correct methods and correct answers.

Find the mistakes and write out the correct calculation using that method.

Explain how and why the methods that get the correct answers work.

SPOT THE MISTAKE				
How do these methods work? Find the mistake and put it right.				
$\begin{array}{r} 79 \\ \times 8 \\ \hline 642 \end{array}$ $8 \overline{)6372}$ $\begin{array}{r} 79 \\ 79 \\ \hline \end{array}$	×	70	9	TOTAL
	8	560	72	632
$632 \div 8 =$ $80 \times 7 + 8 \times 9 \div 8 = 79$				

SPOT THE MISTAKE					
How do these methods work? Find the mistake and put it right.					
$\begin{array}{r} 239 \\ \times 7 \\ \hline 1673 \end{array}$ $7 \overline{)162763}$ $\begin{array}{r} 238 \\ 238 \\ \hline \end{array}$	×	200	30	9	TOTAL
	7	1400	210	63	1673
$1673 \div 7 =$ $200 \times 7 + 30 \times 7 + 9 \times 7 \div 7 =$ $200 + 30 + 9 = 239$					

SPOT THE MISTAKE				
How do these methods work? Find the mistake and put it right.				
$\begin{array}{r} 29 \\ \times 51 \\ \hline 145 \\ 290 \\ \hline 435 \end{array}$ $29 \times 51 = 30 \times 51 - 51 = 1530 - 51 = 1479$	×	20	9	
	50	1000	450	
	1	20	9	
$29 \times 51 = 1000 + 450 + 20 + 9 = 1479$ $29 \times 51 = 29 \times 50 + 29 = 145 \times 100 + 29 = 1450 + 29 = 1479$				

## HELP

If you are stuck with the SPOT THE MISTAKE task the do the following.

- Do the calculations using any method you choose, and then check your calculation using a calculator.
- If you got it wrong look for your own mistake. If you can't find it, ask for help.

If you get the calculation correct then have a go at spotting the mistakes in the example.

## NEXT

SPOT THE MISTAKE					
How do these methods work? Find the mistake and put it right.					
$\begin{array}{r} 129 \\ \times 34 \\ \hline 486 \\ 3870 \\ \hline 4356 \end{array}$ $129 \times 34 = 3870 + 516 = 4386$	×	100	20	9	TOTAL
	30	3000	600	270	3870
	4	400	80	36	516

SPOT THE MISTAKE					
How do these methods work? Find the mistake and put it right.					
$\begin{array}{r} 129 \\ \times 512 \\ \hline 258 \\ 1290 \\ 64500 \\ \hline 65948 \end{array}$ $129 \times 512 = 64500 + 1290 + 258 = 66048$	×	100	20	9	TOTAL
	500	50000	10000	4500	64500
	10	1000	200	90	1290
	2	200	40	18	258

Make up your own written calculation, and then write it out with a deliberate mistake for your partner to spot and correct.