

Independent Long Multiplication

I can solve reasoning questions using the formal method of long multiplication.



Solve these reasoning questions. Choose the challenge best for you.

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Is she correct?</p> <p>9685 × 38 3284 × 87 4987 × 76</p> <div><table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table></div> <p>_____</p>																																																																																																																																																																																																								

Independent Long Multiplication Answers

Question	Answer
A box contains seven soft toys. How many soft toys are there in 2356 boxes?	
★	16 492 soft toys.
Each cake weighs 2957 grams. What would be the total weight of 43 cakes?	
★★	The total weight is 127 151 grams or 127.151kg.
Rhiad says the difference between the highest answer and the lowest answer is 90 304. Is she correct? 9685×38 3284×87 4987×76	
★★★	No, the difference is 93 304.
A set of classroom furniture costs £6949. How much would it cost to buy new furniture for eight classes?	
★	£55 592
It costs a company 98p to manufacture a pencil case. How much would it cost to manufacture 8475 pencil cases?	
★★	It would cost 830 550 or £8305.50.

An episode of a popular children's television programme lasts 27 minutes. If there are 48 episodes in one season and there are 37 seasons, how many minutes of the TV programme are there altogether?	
★★★	There are 47 952 minutes.
A round-the-world cruise costs £9586 per person. How much would it cost a family of six to go on the cruise?	
★	It would cost £57 516.
An online store sells computer games for £36 each. If the online store sells 8589 games in a year, how much money has the store received?	
★★	The store has received £309 204.
Alicia says, 'If you multiply 1485 by 8 and then multiply the answer by 78, the answer is 946 640. Is she correct? Explain your answer.'	
★★★	Alicia is incorrect. The answer is 926 640. Children's own explanation given.