

Content Standard	MAFS.4.NBT <i>Number and Operations in Base Ten</i>	
	MAFS.4.NBT.2 <i>Use place value understanding and properties of operations to perform multi-digit arithmetic.</i>	
	MAFS.4.NBT.2.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	
Assessment Limits	Multiply four digits by one digit, three digits by one digit, two digits by one digit, and two digits by two digits.	
Calculator	No	
Acceptable Response Mechanisms	Equation Response Multi-Select Response Natural Language Response	
Context	No context	
Example		
Context	Restrict multiplication to 3 or 4 digits by 1 digit. Include additional carrying.	
Context easier	Restrict multiplication to 2 or 3 digits by 1 digit. Use small digits that do not require additional carrying in problem solving.	
Context more difficult	Include multiplication of two digit by two digit numbers, with or without additional carrying.	
Sample Item Stem	Response Mechanism	Notes, Comments
Find the product of 220 and 4.	Equation Response	
Find the product of 2,830 and 3.	Equation Response	
Select all the expressions that have a product of 420. <ul style="list-style-type: none"> ○ 35×12 ○ $(3 \times 5) \times (10 \times 2)$ ○ $(40 \times 10) \times (2 \times 4)$ ○ 40×20 ○ 14×30 	Multi-Select Response	

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	MAFS.4.NBT.2 <i>Use place value understanding and properties of operations to perform multi-digit arithmetic.</i>	
	MAFS.4.NBT.2.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	
Assessment Limits	3-digit dividend and 1-digit divisor, and 4-digit dividend and 1-digit divisor.	
Calculator	No	
Acceptable Response Mechanisms	Equation Response Multi-Select Response	
Context	No context	
Example		
Context	Include division by non-skip counting numbers without a remainder. Include division by common skip counting numbers (multiples of 2 and 5) with a remainder.	
Context easier	Divisor includes common skip counting numbers (multiples of 2 and 5). Include division by skip counting numbers without a remainder.	
Context more difficult	Include 4-digit dividends. Include division by non-skip counting numbers with a remainder.	
Sample Item Stem		
Response Mechanism	Notes, Comments	
What is 400 divided by 5?	Equation Response	
Select all the expressions that have a value of 25. <ul style="list-style-type: none"> ○ $500 \div 5$ ○ $600 \div 3$ ○ $100 \div 4$ ○ $150 \div 5$ ○ $200 \div 8$ 	Multi-Select Response	
What is 402 divided by 8?	Equation Response	
What is 1,356 divided by 3?	Equation Response	