Introduction

Write a story for the following multiplication:

142 x 12

Then solve the calculation.



Introduction

Write a story for the following multiplication:

$142 \times 12 = 1,704$

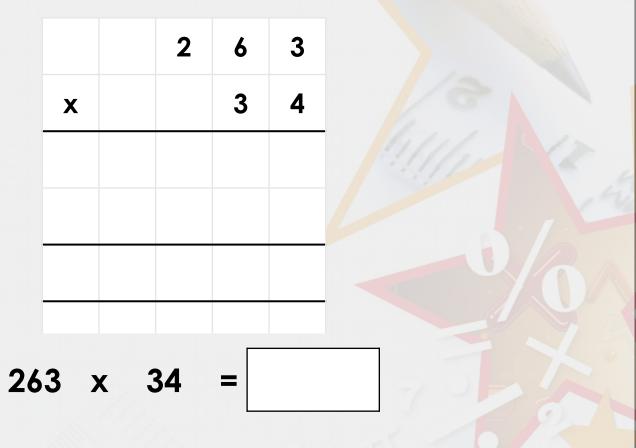
For example:

Bill the baker has received an order for 142 dozen muffins. There are 12 muffins in a dozen. How many muffins does he have to bake?

Tanya is organising the art cupboard. 142 paint brushes will fit in a box. She fills 12 boxes. How many paint brushes does she have?



Use the formal multiplication method to complete the calculation below.



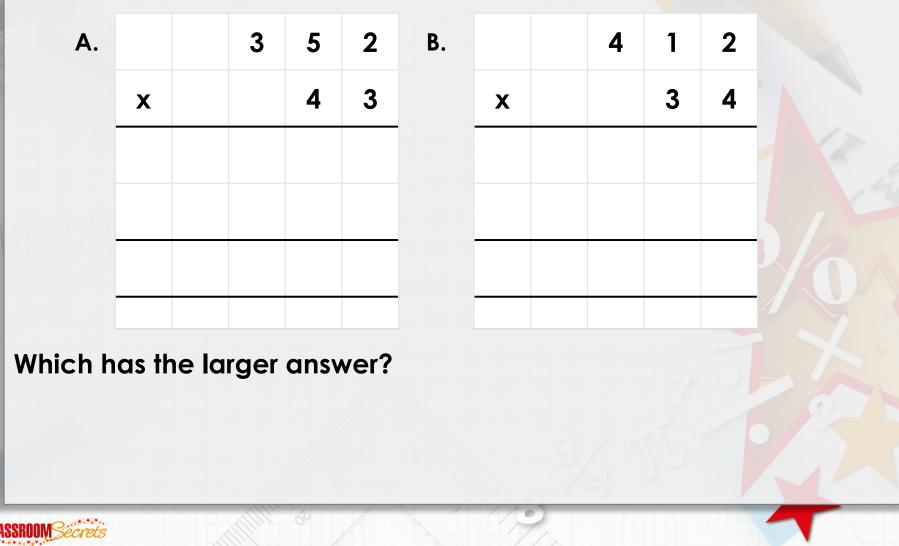


Use the formal multiplication method to complete the calculation below.

26	3 >	к 3	34	=	8,94	42
			1			
		8	9	4	2	
		71	8	9	0	
		1	02	5 ₁	2	
	x			3	4	
			2	6	3	



Complete the calculations below.



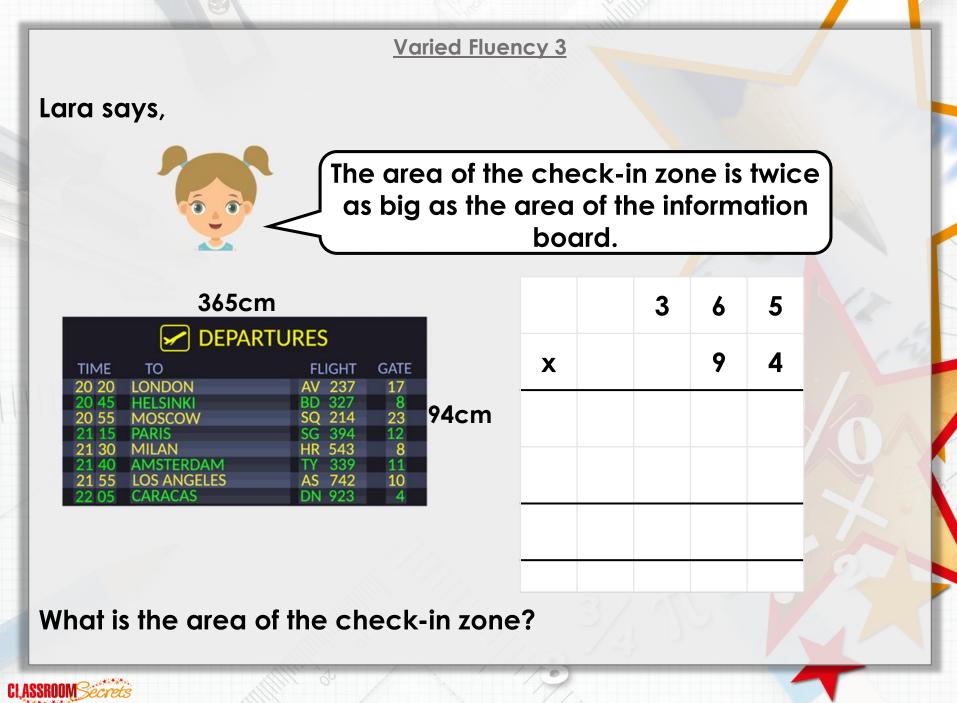
Complete the calculations below.

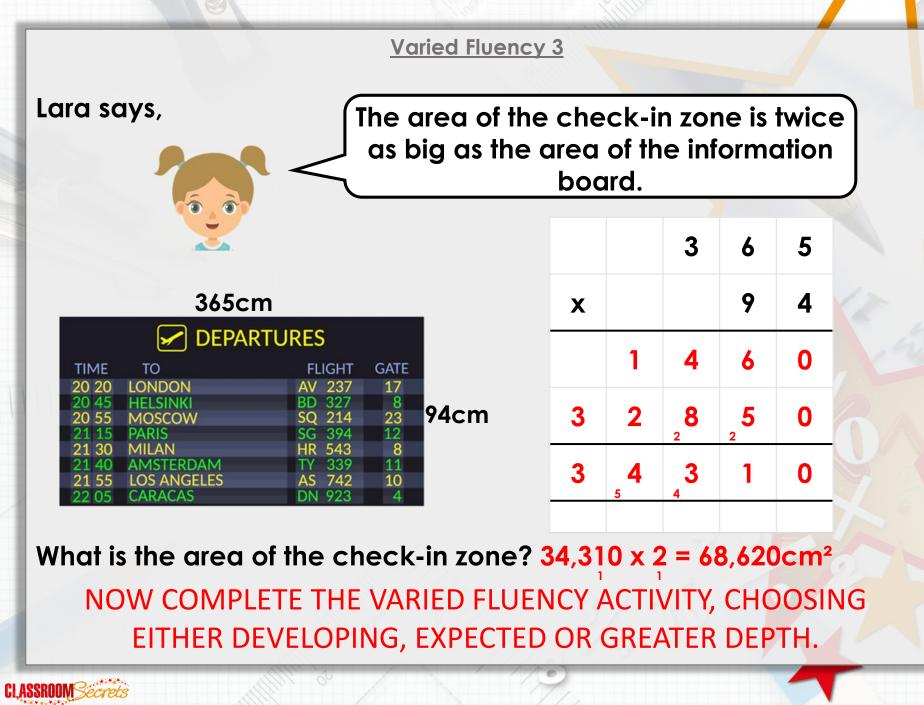
Α.			3	5	2	В.			4	1	2	
	X			4	3		x			3	4	
		1	0	5	6			1	6	4	8	
	1	4 2	0	8	0		1	2	3	6	0	
	1	5	1	3	6		1	4	0	0	8	
			1					1	1			9

Which has the larger answer?

A has the larger answer.







Gemma and Olivier are working on the same calculations. They get different answers.

	G	emm	na			C	Dliwie	r	
		4	0	6			4	0	ł
X			2	4	x			2	4
	1	6	0_2	4		1	6	22	2
	8	0,	2	0		8	1	2	(
	9	6	2	4		9	7	4	L

Who is correct?



Gemma and Olivier are working on the same calculations. They get different answers.

	G	emn	na			C	Dliwie	r	
		4	0	6			4	0	
X			2	4	X			2	
	1	6	0_2	4		1	6	22	
	8	0,	2	0		8	1,	2	
	9	6	2	4		9	7	4	

Who is correct? Oliwier is correct. $406 \times 24 = 9,744$.



Complete the calculation so that calculation A is greater than calculation B.

Α.		6	1	3	В.						
	X		3	4		x					ſ
											4
										3/	
						2	1	4	1		

Complete the calculation so that calculation A is greater than calculation B.

Α.			6	1	3	В.			6	1	2	
	x			3	4		x			2	5	
		2	4	5 ₁	2			3	0	6 ₁	0	
	1	8	3	9	0		1	2	2	4	0	
	2	0	8	4	2		1	5	3	0	0	5
	1		1			-			1			

Various possible answers, for example:

612 x 25 = 15,300



Reasoning 1

Karl is painting his door red. One tin covers an area of 10,000cm². The door is 198cm x 76cm.

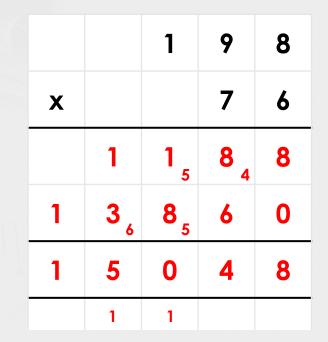
	X		
4			
-			





Reasoning 1

Karl is painting his door red. One tin covers an area of 10,000cm². The door is 198cm x 76cm.



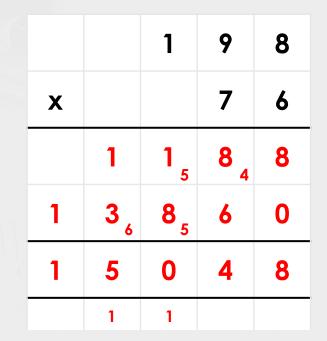
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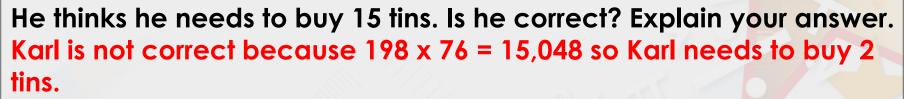


He thinks he needs to buy 15 tins. Is he correct? Explain your answer. Karl is not correct because ...

Reasoning 1

Karl is painting his door red. One tin covers an area of 10,000cm². The door is 198cm x 76cm.







NOW COMPLETE REASONING + PROBLEM SOLVING ACTIVITY, CHOOSING EITHER DEVELOPING, EXPECTED OR GREATER DEPTH.



IF YOU HAVE TIME, COMPLETE THE HOMEWORK/EXTENSION ACTIVITY, CHOOSING EITHER DEVELOPING, EXPECTED OR GREATER DEPTH.

DON'T FORGET TO MARK YOUR ANSWERS!

