



# Factory Decimals

I can multiply one-digit numbers with up to two decimal places by whole numbers.



Use the formal written method of long multiplication to answer these word problems:

- 1 The Twinkl Party Factory produces 3.52m of wrapping paper every second. How many metres of wrapping paper does the factory produce in 45 seconds?

x				



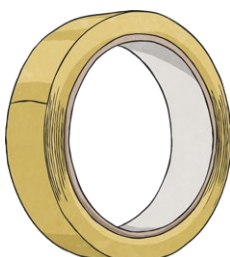
- 2 The Twinkl Party Factory produces 4.26m of ribbon every second. How many metres of ribbon does the factory produce in 32 seconds?

x				



- 3 The Twinkl Party Factory produces 5.44m of sticky tape every minute. How many metres of sticky tape does the factory produce in 28 minutes?

x				



- 4 The Twinkl Party Factory produces 6.65m of flag bunting every minute. How many metres of flag bunting does the factory produce in 53 minutes?

x				





# Factory Decimals Answers

1 158.4m

	2	2	1	
		3	• 5	2
×			4	5
	1	7	• 6	0
1	4	0	• 8	0
1	5	8	• 4	0
		1		

2 136.32m

		1	1	
		4	• 2	6
×			3	2
		8	• 5	2
1	2	7	• 8	0
1	3	6	• 3	2
		1	1	

3 152.32m

		3	3	
		5	• 4	4
×			2	8
	4	3	• 5	2
1	0	8	• 8	0
1	5	2	• 3	2
		1	1	

4 352.45m

	3	1, 2	1	
		6	• 6	5
×			5	3
	1	9	• 9	5
3	3	2	• 5	0
3	5	2	• 4	5
		1	1	



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I can multiply one-digit numbers with up to two decimal places by whole numbers.



Use the formal written method of long multiplication to answer these word problems:

- 1 The Twinkl Party Factory produces 3.68m of wrapping paper every second. How many metres of wrapping paper does the factory produce in 46 seconds?

x				



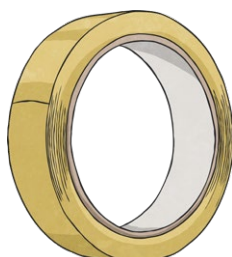
- 2 The Twinkl Party Factory produces 4.36m of ribbon every second. How many metres of ribbon does the factory produce in 37 seconds?

x				



- 3 The Twinkl Party Factory produces 5.47m of sticky tape every minute. How many metres of sticky tape does the factory produce in 29 minutes?

x				



- 4 The Twinkl Party Factory produces 6.69m of flag bunting every minute. How many metres of flag bunting does the factory produce in 58 minutes?

x				





# Factory Decimals Answers

1 169.28m

	2	4,3	4	
		3	• 6	8
×			4	6
	2	2	• 0	8
1	4	7	• 2	0
1	6	9	• 2	8

2 161.32m

	1	2,1	4	
		4	• 3	6
×			3	7
	3	0	• 5	2
1	3	0	• 8	0
1	6	1	• 3	2

1

3 158.63m

		4,1	6	
		5	• 4	7
×			2	9
	4	9	• 2	3
1	0	9	• 4	0
1	5	8	• 6	3

1

4 388.02m

	3	5,4	7	
		6	• 6	9
×			5	8
	5	3	• 5	2
3	3	4	• 5	0
3	8	8	• 0	2

1



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I can multiply one-digit numbers with up to two decimal places by whole numbers.



Use the formal written method of long multiplication to answer these word problems:

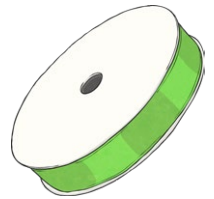
- 1 The Twinkl Party Factory produces 7.87m of wrapping paper every second. How many metres of wrapping paper does the factory produce in 67 seconds?

x				



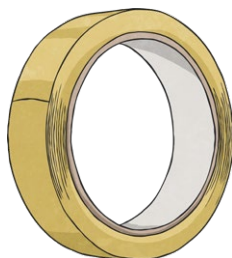
- 2 The Twinkl Party Factory produces 6.98m of ribbon every second. How many metres of ribbon does the factory produce in 78 seconds?

x				



- 3 The Twinkl Party Factory produces 9.49m of sticky tape every minute. How many metres of sticky tape does the factory produce in 89 minutes?

x				



- 4 The Twinkl Party Factory produces 8.66m of flag bunting every minute. How many metres of flag bunting does the factory produce in 93 minutes?

x				





# Factory Decimals Answers

1 527.29m

	5	6, 4	4	
		7 • 8	7	
×			6	7
	5	5 • 0	9	
4	7	2 • 2	0	
5	2	7 • 2	9	

1

2 544.44m

	6	7, 5	6	
		6 • 9	8	
×			7	8
	5	5 • 8	4	
4	8	8 • 6	0	
5	4	4 • 4	4	

1

1

1

3 844.61m

	3	4, 7	8	
		9 • 4	9	
×			8	9
	8	5 • 4	1	
7	5	9 • 2	0	
8	4	4 • 6	1	

1

1

4 805.38m

	5	1, 5	1	
		8 • 6	6	
×			9	3
	2	5 • 9	8	
7	7	9 • 4	0	
8	0	5 • 3	8	

1

1

1