

Multiply 3 Digits by 2 Digits

1a. Omar and Melissa are working on the same calculation. They get different answers.

Omar

3	0	2
x	2	1
		2
		0
3	0	0
	4	0
		0
6	0	0
6	3	4

(1 x 2)

(1 x 0)

(1 x 300)

(20 x 2)

(20 x 0)

(20 x 300)

Melissa

3	0	2
x	2	1
		2
		1
3	0	0
	4	0
		0
6	0	0
6	3	6

(1 x 2)

(1 x 0)

(1 x 300)

(20 x 2)

(20 x 0)

(20 x 300)



Who is correct?

PS

Multiply 3 Digits by 2 Digits

1b. Beau and Selina are working on the same calculation. They get different answers.

Beau

2	2	4
x	3	1
		4
		2
		2
1	2	0
6	0	0
6	0	0
6	7	2

(1 x 4)

(1 x 20)

(1 x 200)

(30 x 4)

(30 x 20)

(30 x 200)

Selina

2	2	4
x	3	1
		4
		2
		2
2	0	0
1	2	0
6	0	0
6	0	0
6	9	4

(1 x 4)

(1 x 20)

(1 x 200)

(30 x 4)

(30 x 20)

(30 x 200)



Who is correct?

PS

2a. Complete the calculations so that calculation B is less than calculation A.

A.

4	2	2
x	1	2

(2 x 2)

(2 x 20)

(2 x 400)

(10 x 2)

(10 x 20)

(10 x 400)

B.

x	1	2



PS

2b. Complete the calculations so that calculation B is greater than calculation A.

A.

3	1	2
x	2	4

(4 x 2)

(4 x 10)

(4 x 300)

(20 x 2)

(20 x 10)

(20 x 300)

B.

x	2	4



PS

3a. Harold is painting one side of the rabbit hutch. One tin covers an area of 5,000cm². The hutch is 130cm x 61cm.

1	3	0
x	6	1

(1 x 0)

(1 x 30)

(1 x 100)

(60 x 0)

(60 x 30)

(60 x 100)



He thinks he needs to buy 2 tins. Is he correct? Explain your answer.



R

3b. Jan is waterproofing her decking. Each bottle covers an area of 3,000cm². The decking is 205cm x 42cm.

2	0	5
x	4	2

(2 x 5)

(2 x 0)

(2 x 200)

(40 x 5)

(40 x 0)

(40 x 200)



She thinks she needs to buy 2 bottles. Is she correct? Explain your answer.



R

Multiply 3 Digits by 2 Digits

4a. Molly and Jess are working on the same calculation. They get different answers.

Molly

		3	1	2
x			1	4
<hr/>				
	1	2	4	8
		3	1	2
<hr/>				
	1	5	5	0
<hr/>				

Jess				
		3	1	2
x			1	4
	1	2	4	8
	3	1	2	0
	4	3	6	8



Who is correct?

PS

Multiply 3 Digits by 2 Digits

4b. Chen and Jamie are working on the same calculation. They get different answers.

Chen				
		4	3	4
x			2	5
	2	1 ₁	7 ₂	0
	8	6	8	0
1	0	8	5	0
		1		

Jamie				
		4	3	4
x			2	5
	2	0 ₁	5 ₂	0
	8	6	8	0
1	0	6	3	0
		1		



Who is correct?

PS

5a. Complete the calculations so that calculation B is less than calculation A.

A.

		5	1	0
x			1	6
<hr/>				

B.

x				
<hr/>				



PS

5b. Complete the calculations so that calculation B is greater than calculation A.

A.

		4	6	2
x			3	2
<hr/>				

B.

x				
<hr/>				



PS

6a. Derek is painting the ceiling of the local church. A tin of paint covers 2,000m². The ceiling is 142m x 54m.

x			
<hr/>			



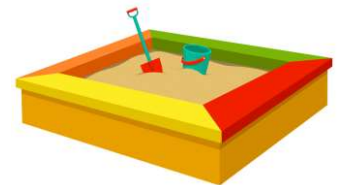
He thinks he needs to buy 7 tins of paint. Is he correct? Explain your answer.



R

6b. James is filling the sandpit with sand. One bag of sand covers an area of 1,000cm². The sandpit is 215cm x 95cm.

x			
<hr/>			



He thinks he needs to buy 21 bags of sand. Is he correct? Explain your answer.



R

Multiply 3 Digits by 2 Digits

7a. Atifa and Jacob are working on the same calculation. They get different answers.

Atifa

		4	2	
x				3
<hr/>				
	1	2	6	9
1	6	8	2	0
<hr/>				
1	7	0	8	9
<hr/>				
	1			

Jacob

		4	2	
x				3
<hr/>				
	1	2	6	9
1	6	9	2	0
<hr/>				
1	8	1	8	9
<hr/>				
	1			



Who is correct?

PS

Multiply 3 Digits by 2 Digits

7b. Kate and Stanley are working on the same calculation. They get different answers.

Kate

		3		4
x			6	
<hr/>				
	1	5 ₃	3 ₁	6
2	3 ₅	0 ₂	4	0
<hr/>				
2	4	5	7	6
<hr/>				

Stanley

		3		4
x			6	
<hr/>				
	1	5 ₃	3 ₁	6
2	3 ₅	0 ₂	4	0
<hr/>				
3	8	4	0	0
<hr/>				
	1			



Who is correct?

PS

8a. Complete the calculations so that calculation B is greater than calculation A.

A.

		2	8	1
x			3	2
<hr/>				

B.

		2		1
x			3	
<hr/>				



PS

8b. Complete the calculations so that calculation B is less than calculation A.

A.

		7	1	3
x			2	4
<hr/>				

B.

		7	1	
x			2	
<hr/>				



PS

9a. Carol the caretaker is varnishing the hall. 1 tin of varnish covers 100m². The length of the hall is 108m and the width of the hall is between 40m and 44m. School has ordered 47 tins of varnish.

x			
<hr/>			



Will there be enough varnish? Explain your answer.



R

9b. Liam the gardener is sowing grass seed to cover a path. 1 packet covers 1,000cm². The length of the path is 682cm the width is between 70cm and 74cm. He has ordered 50 packets.

x			
<hr/>			



Will there be enough grass seed? Explain your answer.



R