Long multiplication

Name: _____ Date: _____

Remember: Write the numbers underneath each other. Multiply by the **units** first, then by the **tens** (and hundreds). The tens are 10 times bigger: that is why we first write a 0 in the second row (and 00 in the third row). Then add the rows.

1. 23 × 4 =

		2	3
×			4

Answer: _____

2. 46 × 30 =

		4	6
×		3	0
+			

Answer: _____

3. 125 × 8 =

	1	2	5
×			8

Answer: _____

4. 47 × 36 =

		4	7
×		3	6
+			

Answer: _____

5. 254 × 23 =

		2	5	4
×			2	3
+				

Answer: _____

6. 609 × 45 =

		6	0	9
×			4	5
+				

Answer: _____

7. 1 236 × 27 =

		1	2	3	6
×				2	7
+					

Answer: _____

8. 2 345 × 34 =

		2	3	4	5
×				3	4
+					

Answer: _____

9. 1 508 × 306 =

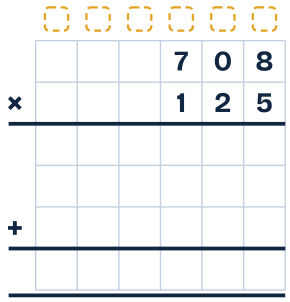
			1	5	0	8
×				3	0	6
+						

Answer: _____

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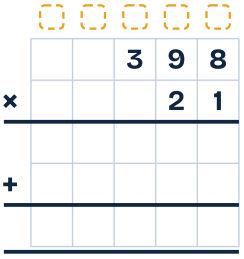
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10. 708 × 125 =



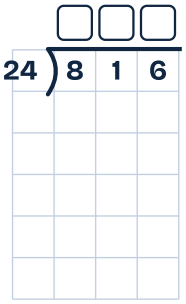
Answer: _____

11. Estimate first: 398 × 21 ≈ ? Then work out the exact answer.



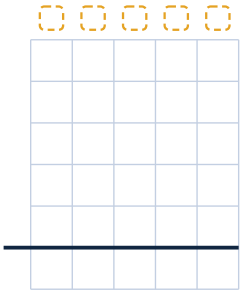
Answer: _____

12. Which digit fits in the box? 3☐ × 24 = 816



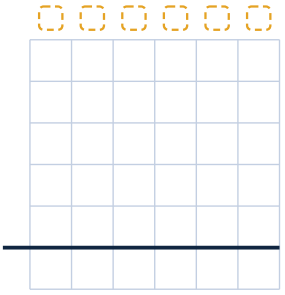
Answer: _____

13. 245 learners go to a play. A ticket costs R35. How much do all the tickets cost?



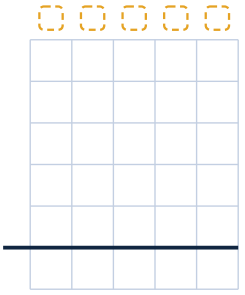
Answer: _____

14. A factory packs 24 bottles into a crate. How many bottles are in 1 356 crates?



Answer: _____

15. A bus travels 365 km a day. How far does the bus travel in 48 days?



Answer: _____

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I got _____ out of 15 ★ ★ ★

Memo · Long multiplication

1. **92**
   23 × 4 = 92

2. **1 380**
   46 × 30 = 1 380

3. **1 000**
   125 × 8 = 1 000

4. **1 692**
   47 × 6 = 282; 47 × 30 = 1 410; 282 + 1 410 = 1 692

5. **5 842**
   254 × 3 = 762; 254 × 20 = 5 080; 762 + 5 080 = 5 842

6. **27 405**
   609 × 5 = 3 045; 609 × 40 = 24 360; 3 045 + 24 360 = 27 405

7. **33 372**
   1 236 × 7 = 8 652; 1 236 × 20 = 24 720; 8 652 + 24 720 = 33 372

8. **79 730**
   2 345 × 4 = 9 380; 2 345 × 30 = 70 350; 9 380 + 70 350 = 79 730

9. **461 448**
   1 508 × 6 = 9 048; 1 508 × 300 = 452 400; 9 048 + 452 400 = 461 448

10. **88 500**
    708 × 5 = 3 540; 708 × 20 = 14 160; 708 × 100 = 70 800; 3 540 + 14 160 + 70 800 = 88 500

11. **estimate 8 000; exact 8 358**
    400 × 20 = 8 000; 398 × 1 = 398; 398 × 20 = 7 960; 398 + 7 960 = 8 358

12. **4 (34 × 24 = 816)**
    816 ÷ 24 = 34

13. **R8 575**
    245 × 5 = 1 225; 245 × 30 = 7 350; 1 225 + 7 350 = 8 575

14. **32 544 bottles**
    1 356 × 4 = 5 424; 1 356 × 20 = 27 120; 5 424 + 27 120 = 32 544

15. **17 520 km**
    365 × 8 = 2 920; 365 × 40 = 14 600; 2 920 + 14 600 = 17 520

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