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Multiplying Radicals Worksheet

Match the column A and B correctly.

	A		B
1.	$3\sqrt{4} \times \sqrt{3}$	i)	$48\sqrt{5}$
2.	$3\sqrt{8} \times 4\sqrt{10}$	ii)	$6\sqrt{3}$
3.	$\sqrt{3} \times 5\sqrt{2}$	iii)	108
4.	$6\sqrt{2} \times 9\sqrt{2}$	iv)	$5\sqrt{6}$

Solve

5. $(2 - \sqrt{15})(2 + \sqrt{15})$

6. $\sqrt{48}(\sqrt{3} + \sqrt{12})$

7. What will be the product of $(4\sqrt{6} - 4)$ and $(4\sqrt{6} + 4)$

8. Find the product of: $3\sqrt{8} \times 4\sqrt{10}$ and $5\sqrt{5}$

9. What will be the result of: $\sqrt{15} \times \sqrt{20} \times \sqrt{5} \times \sqrt{20} \times \sqrt{3}$

10. Check whether the result of the product of the two radicals is true or not.

$$2 \times \sqrt{3} \times 4\sqrt{3} \times 5\sqrt{3} \times 6\sqrt{3} = 2 \times 3 \times 4 \times 5 \times 6 \times 3$$

**When you learn math
in an interesting way,
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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1.	ii)	6.	36
2.	i)	7.	60
3.	iv)	8.	1200
4.	iii)	9.	300
5.	-11	10.	Correct

FUN FACT

- An easy trick to remember the order of PEMDAS is "Please Excuse My Dear Aunt Sally".
- Many mnemonics following order of operations are used along with PEMDAS worldwide, like BODMAS, BEDMAS, and BIDMAS.

