

Geometric Mean Worksheet

Calculate the geometric mean for each pair of numbers. Leave all answers in simplified radical form. The numerical answer next to the problem is the answer that will be graded.

1. 3, 27

2. 36, 4

3. 5, 45

4. 9, 4

5. 2, 8

6. 4, 1

7. 5, 9

8. 4, 7

9. 6, 3

10. 5, 8

11. 3, 7

12. 8, 4

13. 6, 4

14. 7, 8

15. 9, 1

The puzzle will help you check your answers.

A 2

H 3

T 4

O 6

H 9

E 12

G 15

C $2\sqrt{3}$

N $2\sqrt{7}$

S $2\sqrt{10}$

H $2\sqrt{14}$

C $2\sqrt{6}$

I $3\sqrt{2}$

P $3\sqrt{5}$

M $4\sqrt{2}$

E $5\sqrt{3}$

A $7\sqrt{2}$

M 7

S $\sqrt{21}$

P $\sqrt{15}$

T $3\sqrt{6}$

E $10\sqrt{2}$

R $8\sqrt{2}$

O $14\sqrt{2}$

What happened to the glass blower who inhaled?

1 2 3 4 5 6 7 6 8 2

9 8 1 9 10 11 5 4 12 6 13 14