Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve the following equations and find the answer on the projector to answer the joke.

Why is a duplicate key like a small cake?

ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 4$x^{\frac{2}{5}}$ = 12 2. $x^{\frac{5}{8}}$ = 15 3. 2$x^{\frac{1}{3}}$ – 10 = 2

 4. 5$x^{\frac{4}{7}}$ + 4 = 10 5. $\sqrt[4]{x^{5}}+2=4$ 6. $x^{\frac{5}{3}}$ = – 5

 7. $\sqrt[3]{x^{7}}-12=15$ 8. $\sqrt{x+3}$ = 6 9. $\sqrt[5]{x^{2}}+7=9$

 10. $\sqrt{x-5}$ + 3 = 9 11. 3$x^{\frac{2}{3}}$ – 3 = 3 12. $\sqrt{x+2}$ = 12

 13. $\sqrt[3]{x+3}=5$ 14. $-8x^{\frac{5}{6}}+12$ = 28 15. $\sqrt[8]{(5x)^{3}}+1=3$

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| --- | --- | --- |
| 76.16T | -2.63SPACE | 122K |
| 1.27Y | 15.59I | 1.74S |
| 216SPACE | 41W | 33SPACE |
| 1.38I | 4.11A | 142N |
| 5.66T | 2.30E | 2.83I |

ANSWER: IT IS A TWINKEY