DID YOU HEAR ABOUT THE . . .

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

?

Simplify the expression, then find your answer. Write the word next to the correct answer in the box that contains the exercise number.

Answers 1-10

- $\dfrac{x\sqrt{5}}{8}$ **DECIDED**
- $2xy^2\sqrt{5y}$ **ON**
- $8\sqrt{5}$ **POLE**
- $2\sqrt{10}$ **JAVELIN**
- $5\sqrt{11} - 8\sqrt{2}$ **CLIMBER**
- $-4\sqrt{7}$ **TO**
- $12\sqrt{5}$ **JUMP**
- $30\sqrt{6}$ **THROWER**
- $3x^2\sqrt{7x}$ **A**
- $\dfrac{x\sqrt{3}}{16}$ **BROKE**
- $2xy^3\sqrt{6y}$ **WHEN**
- $\dfrac{3\sqrt{2}}{7}$ **WHO**
- $9x^2\sqrt{3x}$ **CHAMPION**
- $36\sqrt{5}$ **BECOME**
- $7\sqrt{11} - 6\sqrt{2}$ **VAULTER**

Exercises

1. $\sqrt{5} \cdot \sqrt{8}$

2. $3\sqrt{10} \cdot 2\sqrt{15}$

3. $\sqrt{\dfrac{18}{49}}$

4. $\sqrt{\dfrac{10x^3}{128x}}$

5. $-12\sqrt{7} + 7\sqrt{7} + \sqrt{7}$

6. $6\sqrt{45} + 9\sqrt{20}$

7. $\sqrt{21x^3} \cdot \sqrt{3x^2}$

8. $\dfrac{40}{\sqrt{5}}$

9. $\sqrt{11} - 5\sqrt{2} + 6\sqrt{11} - \sqrt{2}$

10. $\sqrt{3xy^3} \cdot \sqrt{8xy^4}$

11. $\dfrac{15}{2\sqrt{75}}$

12. $5\sqrt{12} - \sqrt{300} + 4\sqrt{27}$

13. $2\sqrt{2}\left(-8\sqrt{72}\right)$

14. $\sqrt{\dfrac{1}{80}}$

15. $10\sqrt{98} - 3\sqrt{50}$

16. $\sqrt{15m^3n} \cdot \sqrt{6m^5n^2}$

17. $\dfrac{3\sqrt{10}}{\sqrt{15}}$

18. $-4\sqrt{25n} + 2\sqrt{81n} + \sqrt{700n}$

19. $\sqrt{20mn} \cdot \sqrt{5m^3}$

20. $\dfrac{6\sqrt{11n^2}}{\sqrt{3n}}$

Answers 11-20

- $12\sqrt{3}$ **TIP**
- $5m^4\sqrt{2n}$ **SHOT**
- $2\sqrt{33n}$ **DIRT**
- $55\sqrt{2}$ **JAVELIN**
- $-2\sqrt{n} + 10\sqrt{7n}$ **IN**
- $\dfrac{3\sqrt{5}}{10}$ **THAT**
- -192 **OF**
- $3m^4n\sqrt{10n}$ **GOT**
- $48\sqrt{2}$ **SHOE**
- $\dfrac{\sqrt{3}}{2}$ **THE**
- $4n\sqrt{33}$ **GROUND**
- $10m^2\sqrt{n}$ **THE**
- $\dfrac{\sqrt{5}}{20}$ **HIS**
- $\sqrt{6}$ **STUCK**
- $-4\sqrt{n} + 7\sqrt{10n}$ **UP**