

DID YOU HEAR ABOUT THE . . .

| | | | | | | |
|----|----|-----|-----|-----|-----|-------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. |
| 8. | 9. | 10. | 11. | 12. | 13. | 14. ? |

Factor the expression completely. Write the word under the answer in the box with the exercise number.

ANSWERS 1-7

$$(2y^2 - 9)(y + 4)$$

PEOPLE

$$x^2(2x - 3)(x + 5)$$

BECAUSE

$$xy(3x - 8y)^2$$

FROM

$$(3x - 10)(x - 2)$$

MONSTER

$$4(2x + 5y)(2x - 5y)$$

WANTED

$$3y(7x - 10y)(x + y)$$

HE

$$5(x + 5y)(x - 6y)$$

ATTACKED

$$xy(3x + 8y)(3x - 8y)$$

WHO

$$x^2(2x + 3)(x - 5)$$

WHENEVER

$$(2y^2 + 9)(y - 4)$$

LIGHTBULBS

$$4(2x - 5y)^2$$

THOUGHT

$$3y(7x - 5y)(x + 2y)$$

THEY

$$5(x + 2y)(x - 15y)$$

ATE

1. $3x^2 - 16x + 20$

2. $9x^3y - 64xy^3$

3. $5x^2 - 65xy - 150y^2$

4. $2y^3 - 8y^2 + 9y - 36$

5. $2x^4 + 7x^3 - 15x^2$

6. $21x^2y - 9xy^2 - 30y^3$

7. $16x^2 - 80xy + 100y^2$

8. $18c^3d^4 - 63c^2d^5 + 9cd^3$

9. $2c^7d^3 - 450cd$

10. $5c^3 + 2c^2 - 5cd^2 - 2d^2$

11. $6c^4d^2 + 5c^3d^2 - 11c^2d^2$

12. $6c^4 + 45c^3d + 54c^2d^2$

13. $c^4 - 50c^2 + 49$

14. $d^2(d + 4) + 8d(d + 4) + 16(d + 4)$

ANSWERS 8-14

$$(c + 1)(c - 1)(c + 7)(c - 7)$$

REGULAR

$$c^2d^2(3c + 11)(2c - 1)$$

POWER

$$9cd^3(2c^2d - 7cd^2 + 1)$$

THEY

$$2cd(cd^3 + 15)(cd^3 - 15)$$

FLASH

$$(c + d)(c - d)(5c + 2)$$

LESS

$$(d^2 + 16)(d + 4)$$

BLOOD

$$3c^2(2c + 3d)(c + 6d)$$

THAN

$$(c - 1)^2(c + 7)(c - 7)$$

SCARY

$$2cd(c^3d + 15)(c^3d - 15)$$

HAVE

$$(d + 4)^3$$

BULBS

$$(c^2 + d^2)(5c - 2)$$

ENERGY

$$c^2d^2(6c + 11)(c - 1)$$

CALORIES

$$3c^2(2c + 9d)(c + 2d)$$

WHEN

**a light snack!*