

What Is the World's Saddest Candy?

Key

Answers 1-10

- $12x - 6$
 - $14x - 2$
 - $9x - 2$
 - $9x - 7$
 - $12x + 7$
 - $14x + 15$
 - $-15x + 15$
 - $8x + 6$
 - $-11x + 13$
 - $14x + 6$
 - $-4x - 4$
 - $-5x + 13$
 - $-10x - 6$
 - $-10x + 7$
 - $8x + 7$

Answers 11-19

- 13a - 1
 - 5a - 3b + 4
 - 2a + 11b + 4
 - 3a - 12b - 4
 - 13a + 17
 - a + 17
 - 2a + 5b
 - 2a - 7b + 26
 - 11a - 3b + 26
 - 2a + 5
 - 3a + 5
 - 3a + 11b
 - 5a - 7b - 17

Simplify each expression. Cross out the letter next to each correct answer. The answer to the title question will remain.

$$1. \underline{3x} - \underline{7x} - \underline{4}$$

$-4x - 4$

$$6. \frac{8x - 6 + x - 1}{9x - 7}$$

$$2. \underline{6} + \underline{5x} - \underline{(-3x)}$$

$8x + 6$

$$7. \frac{-2x + 14 - 9x + (-1)}{-11x + 13}$$

$$3. \frac{-x - 2 + 15x}{14x - 3}$$

$$8. \frac{7 + 10x - x + (-x)}{8x + 7}$$

$$4. \underline{20x} + \underline{7} + (-\underline{8x})$$
$$\underline{12x} + 7$$

$$9. \frac{18 - (-6x) - 3 + 8x}{14x + 15}$$

$$5. \frac{13 - x - 4x}{-5x + 13}$$

$$10. \underline{4 + x + (-10)} - \underline{11x}$$

$-10x - 6$

$$11. \frac{9a+8-2a-3-5a}{2a+5}$$

$$12. \frac{6 - a + 4 - 12a - 11}{-13a - 1}$$

$$13. \frac{-a + (-3a) + 15 + 5a - (-2)}{a + 17}$$

$$14. \underline{7a + 2b + 5} - \underline{5a + 9b - 1}$$
$$\underline{2a + 11b + 4}$$

$$15. \underline{-3a - 6b - 10} + \underline{8a - b} = \underline{5a - 7b - 17}$$

$$16. \underline{20 - 15a + b + 6 + 4a - 4b} \\ = 11a - 3b + 26$$

$$17. \underline{2a - (-3a)} - \underline{7a} + \underline{8b} - \underline{b} + \underline{(-2b)}$$
$$\underline{-3a + 5b}$$

$$18. \underline{-5a} - \underline{7b} + \underline{a} - \underline{5b} - \underline{4} - \underline{(-a)}$$
$$= -3a - 12b - 4$$

$$19. \underline{10b} - \underline{7a} + \underline{(-b)} + \underline{10a} - \underline{9b} + \underline{?}$$

3a + 5