

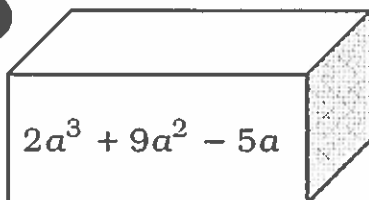
Answers 1-7	
<b>T</b>	$5a, (a + 2), (a + 7)$
<b>S</b>	$(5a^2 + 8)(2a + 5)$
<b>N</b>	$(a^2 + 4)(a + 7)$
<b>E</b>	$a, (2a + 5), (a + 1)$
<b>A</b>	$2a(a - 3)(a - 5)$
<b>C</b>	$3a(2a - 5)^2$
<b>D</b>	$(5a^2 + 8)(2a - 9)$
<b>I</b>	$5a, (a - 1), (a + 14)$
<b>E</b>	$a^2(a - 2)(a + 15)$
<b>R</b>	$a, (2a - 1), (a + 5)$
<b>O</b>	$3a(2a + 5)(2a - 5)$
<b>S</b>	$2a(a + 3)(a - 5)$
<b>P</b>	$a^2(a - 3)(a + 10)$
Answers 8-14	
<b>T</b>	$(x^2 - 5)(3x + 8)$
<b>S</b>	$(2x + 1)(2x - 1)(2x + 5)$
<b>I</b>	$5y(3x + 10)^2$
<b>S</b>	$10(7x + 2)(x - 3)$
<b>N</b>	$(x + 2)(x - 2)(x - 15)$
<b>E</b>	$xy(2y + 1)(y + 12)$
<b>C</b>	$2y^2(x + 9)(x - 9)$
<b>D</b>	$(4x + 1)(4x - 1)(2x + 5)$
<b>T</b>	$5y(3x - 5)^2$
<b>E</b>	$10(7x + 6)(x - 1)$
<b>R</b>	$(x + 2)(x - 2)(2x + 5)$
<b>P</b>	$2y^2(x - 9)^2$
<b>A</b>	$xy(2y + 3)(y + 8)$

# What Candy Do Kids Eat On the Playground?

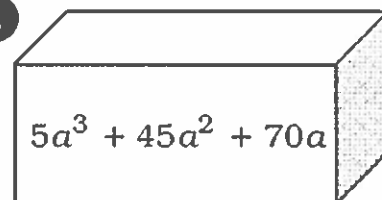
Cross out the letter next to each correct answer. When you finish, the answer to the title question will remain.

In Exercises 1-2, find expressions for the possible dimensions of the rectangular prism. The volume of the prism is given.

1



2



In Exercises 3-14, factor the expression completely.

3

$2a^3 - 16a^2 + 30a$

4

$a^4 + 7a^3 - 30a^2$

5

$a^3 + 7a^2 + 4a + 28$

6

$12a^3 - 75a$

7

$10a^3 - 45a^2 + 16a - 72$

8

$70x^2 - 10x - 60$

9

$3x^3 + 8x^2 - 15x - 40$

10

$2x^2y^2 - 36xy^2 + 162y^2$

11

$x^3 - 15x^2 - 4x + 60$

12

$2xy^3 + 19xy^2 + 24xy$

13

$45x^2y + 300xy + 500y$

14

$32x^3 + 80x^2 - 2x - 5$