

3-10-20

Welcome to Trimester 3! You're  $\frac{2}{3}$  of your way through the school year!!

1. What did you do well last trimester?
2. What do you need to do better this trimester?
3. How can you do that?

### Syllabus:

#### **Spiral Review**

5% of grade

Given on Friday, due the following Friday

Drop 2 grades at end of trimester

One to two questions from review on each assessment

#### **Late Work**

Homework until day of test

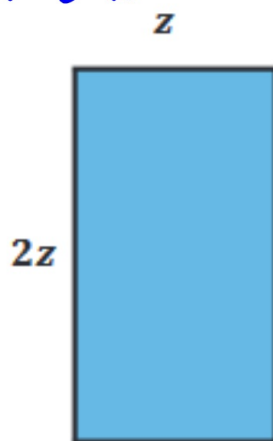
Summary Sheets within 2 clusters

Spiral Review not accepted late

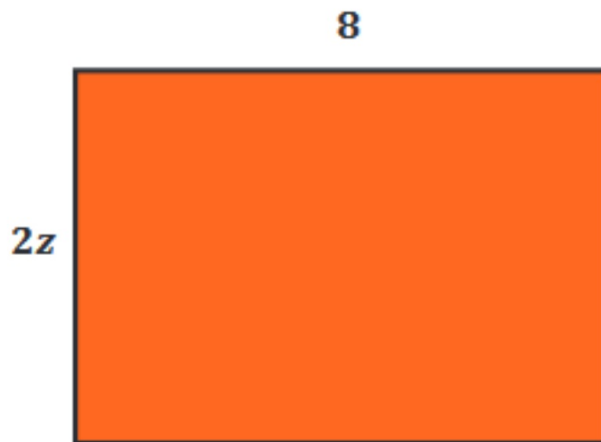
Other than that, same as the last two trimesters...

Write an expression for the area of the rectangle.

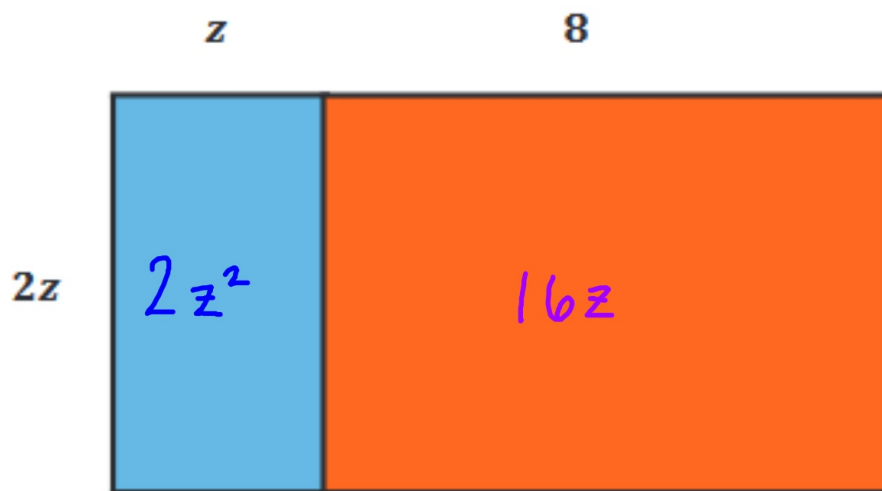
$$A = l \cdot w$$



$$2z \cdot z = 2z^2$$



$$2z \cdot 8 = 16z$$



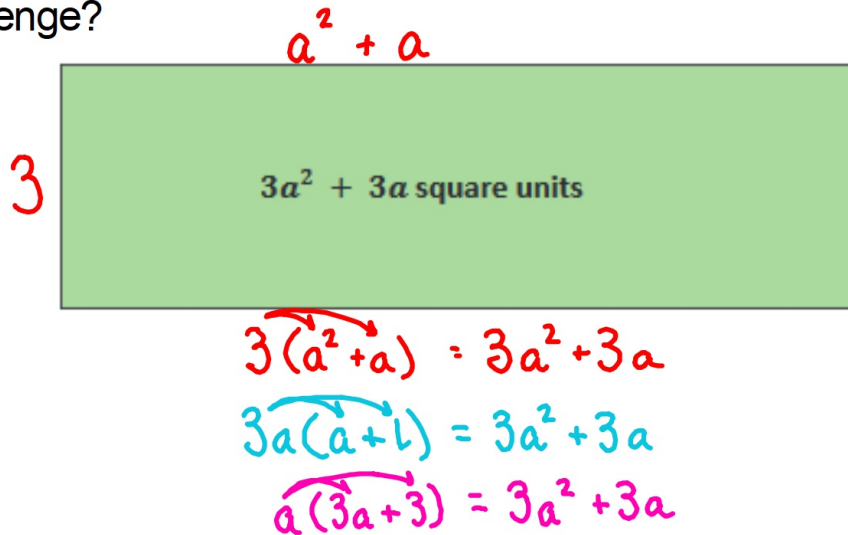
$$2z^2 + 16z$$

$$2z(z + 8)$$

Jackson has given his friend a challenge:

The area of a rectangle, in square units, is represented by  $3a^2 + 3a$  for some real number  $a$ . Find the length and width of the rectangle.

How many possible answer are there for Jackson's challenge?



Factor each by factoring out the greatest common factor

$$10ab + 5a$$

$$a(10b + 5)$$

$$5a(2b + 1)$$

$$\text{GCF: } 5a$$

$$3g^3h - 9g^2h + 12h$$

$$h(3g^3 - 9g^2 + 12)$$

$$3h(g^3 - 3g^2 + 4)$$

$$\text{GCF: } 3h$$

$$6x^2y^3 + 9xy^4 + 18y^5$$

$$y^3(6x^2 + 9xy + 18y^2)$$

$$3y^3(2x^2 + 3xy + 6y^2)$$

$$\text{GCF: } 3y^3$$

Use a tabular model to identify the product of  $(x + 2)(x + 5)$ .

		$x$	$+$	$2$	
$x \cdot x$	$2 \cdot x$				$x$
$x^2$	$2x$				$+$
$x \cdot 5$	$2 \cdot 5$				$5$
$5x$	$10$				
		$7x$		$10$	

$$x^2 + 7x + 10$$

Use a tabular model to find the product of  $(x + y)(x - 5)$ .

		$x$	$+$	$y$	
$x \cdot x$	$y \cdot x$				$x$
$x^2$	$xy$				
$x \cdot -5$	$y \cdot -5$				$-5$
$-5x$	$-5y$				

$$x^2 + xy - 5x - 5y$$

Use double distribution to find the product of  $(x + y)(x - 5)$ .

$$x^2 - 5x + xy - 5y$$