

# Countdown to the STAAR Algebra I EOC

10 full-length tests!

Print an entire 54-question Algebra I EOC on just 5 sheets of paper!

The STAAR Algebra I EOC could be the most rigorous math test your students will encounter this school year, testing them on 26 different *Supporting* standards and 13 different *Readiness* standards.

Your students need rigorous practice and you need to assess their proficiency. *Countdown to the Algebra I EOC* provides both in a straightforward and easy-to-implement design.

Each page of the *Countdown* gives your students essential practice in 4 to 8 different standards. Whether it's worked as a daily warm-up or as a homework assignment, by the end of the tenth series your students will have worked 540 exit-level problems!

**No teacher training or computers required**

*Countdown* is simplicity at its finest. And it works!

MathWarm-Ups.com

Easy to implement  
Straightforward  
Affordable

10 Complete Series

Each series resembles a full-length STAAR Algebra EOC (54 problems). You can print an entire test on just 5 pages when printed front to back!

**Implementation Steps**

Work 1 or 2 pages a day as homework or in class as a daily warm-up.

Check each page with your students, modeling and discussing effective problem-solving strategies.

Track progress by using the provided *Quick Track* form (students fill this out themselves in seconds).

Focus on problem areas.

*Countdown* is used in over 700 Texas school districts. Make 2012 the year that your school tries this unique approach!

Algebra I Sample Page:

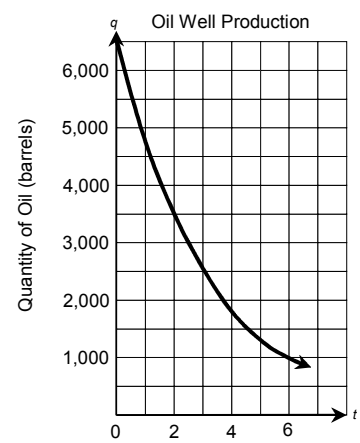
**Countdown to the Algebra I EOC**
Series 2 P6

1 The time required to empty a tank,  $y$ , varies inversely with the rate of pumping,  $x$ . If a pump can empty a tank in 45 minutes at a rate of 200 gallons per minute, how long will it take to empty the tank at a pump rate of 450 gallons per minute?

(A) 10 minutes      (C) 20 minutes  
(B) 18 minutes      (D) 35 minutes

**5.A.11.B**

3 The graph shows the relationship between the production rate of a particular oil well after it has reached its peak production rate and the time in years the well is kept in production.



Oil Well Production

Quantity of Oil (barrels)

Time (years)

Looking at the graph, which statement appears to be most correct?

(A) The well's production rate decreased by 1,500 barrels per year.  
(B) The well's production rate decreased by 500 barrels per year.  
(C) The well's production rate decreased more from Year 0 to Year 1 than in any other year.  
(D) The well's production rate decreased more from Year 5 to Year 6 than in any other year.

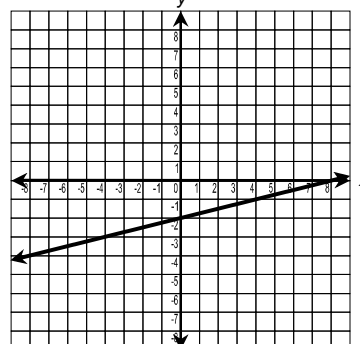
**1.A.1.E**

4 The Sleep Accessories Store sold a total of 316 large and small pillows last month. The total sale value of these pillows was \$5,359. Large pillows sold for \$22.50 each and small pillows sold for \$14 each. Which of these systems of linear equations could be used to find  $l$ , the number of large pillows, and  $s$ , the number of small pillows sold?

(A)  $l + s = 5359$   
 $22.50l + 14s = 316$   
(B)  $l + s = 316$   
 $14l + 22.50s = 5359$   
(C)  $14l + 22.50s = 316$   
 $l + s = 5359$   
(D)  $l + s = 316$   
 $22.50l + 14s = 5359$

**4.A.8.A**

2 A linear function is graphed below.



If this line is translated 5 units up, the resulting new line would best be described by which of these equations?

(A)  $y = \frac{1}{4}x + 3$       (C)  $y = \frac{1}{4}x - 7$   
(B)  $y = 4x + 3$       (D)  $y = 4x - 7$

**3.A.6.C**      **2.A.2.B**

**When to begin Countdown**

The problems on the *Countdown* are exit-level difficulty. We recommend beginning 10 weeks before the test. You can always *double up* if needed.

**Maximize Effectiveness!**

Check every page with your students, as a class or individually. Then identify problem areas by utilizing the provided *Quick Track* forms.

Instructions: After completing and checking a page of your *Countdown*, shade the oval of each question you answer correctly. The ovals that are not shaded reveal the standards that you may need to work on.

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Instructions: After completing and checking a page of your *Countdown*, shade the oval of each question you answer correctly. The ovals that are not shaded reveal the standards that you may need to work on.

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