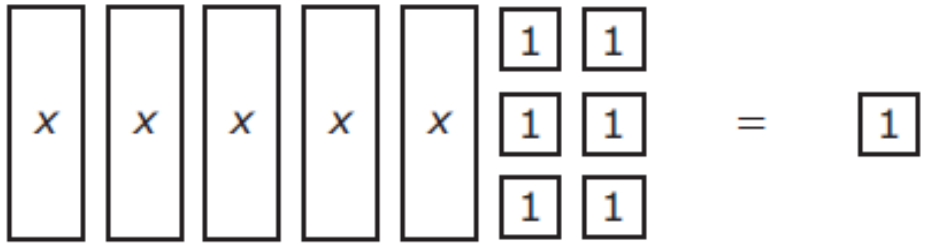
STAAR State of Texas Assessments of Academic Readiness 2016

7.11A – 2 (R) **thirty three Z**

4 An equation is modeled.



What value of x makes the equation true?

F 1

G 7

H −5

J −1

20 Walter and Brian each have a CD collection.

- The number of CDs in Walter's collection can be represented by x.
- The number of CDs in Brian's collection is 3 times the number in Walter's collection.
- The total number of CDs in both collections is 144.

What is x, the number of CDs in Walter's collection?

F 108

G 48

H 72

J 36

STAAR State of Texas Assessments of Academic Readiness **2016**

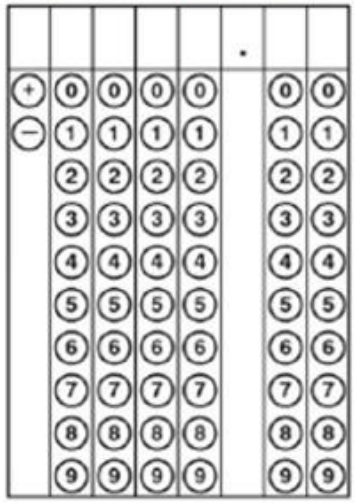
7.11A – 2 (R) **thirty five -27**

44 What is the value of x in this equation?

$$2x + 2 = -52$$

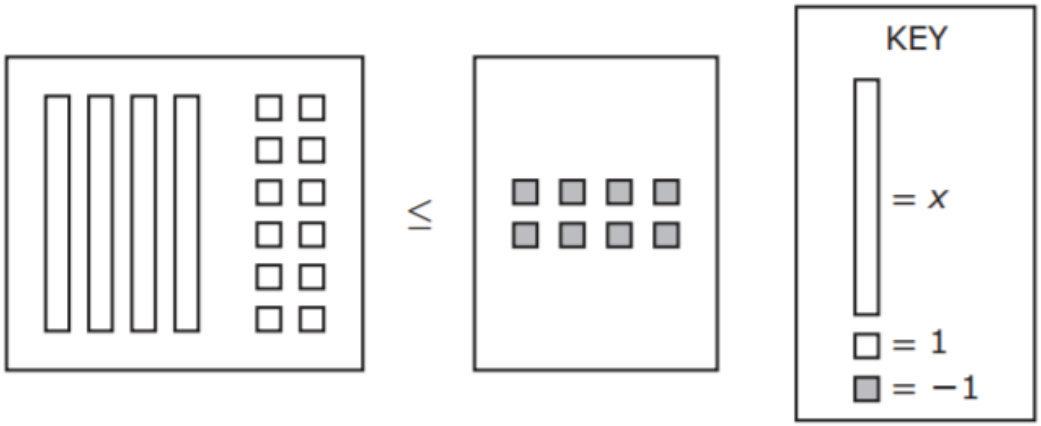
Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

Grades 6–8 Mathematics



7.11A – 2 (R) **thirty six W**

18 The model represents an inequality.



What is the solution set for the inequality?

F $x \leq -5$

G $x \leq 5$

H $x \leq 1$

J $x \leq -14$

STAAR State of Texas Assessments of Academic Readiness **2017**

7.11A – 2 (R) **thirty seven Z**

27 What is the solution to this equation?

$$30.16 = 17.56 + 5x$$

A 6.032

B 3.512

C 12.6

D 2.52

2018

7.11A – 2 (R) **thirty eight X**

7 What is the solution set for $-4x - 10 \leq 2$?

A $x \leq -3$

B $x \geq -3$

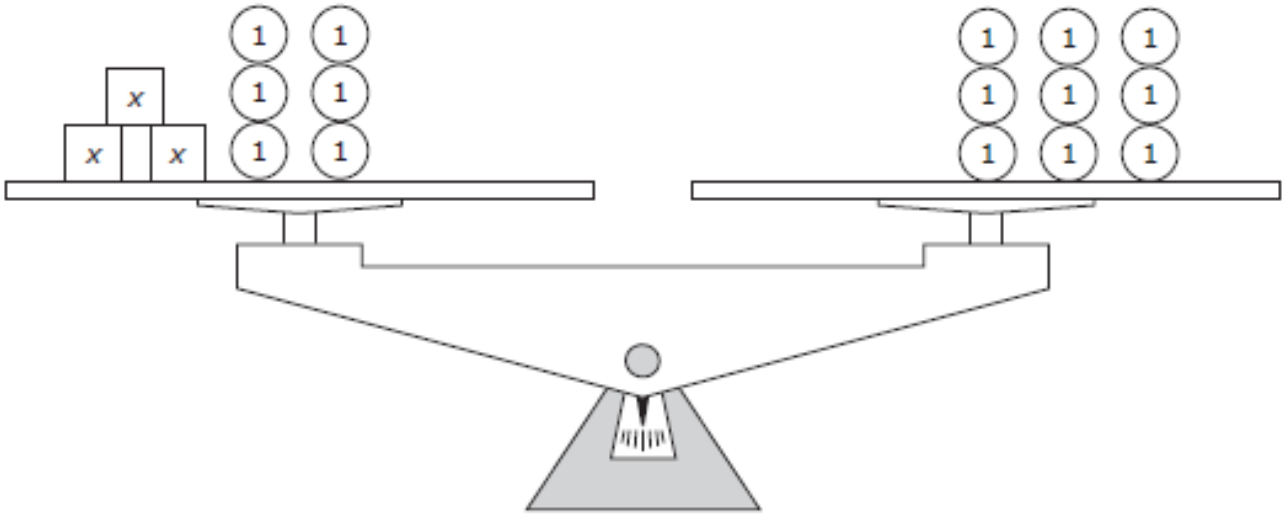
C $x \leq 2$

D $x \geq 2$

STAAR 2018

7.11A – 2 (R) **thirty nine Z**

28 The model represents an equation.



What is the solution for this equation?

F $x = 3$

G $x = 15$

H $x = 5$

J $x = 1$