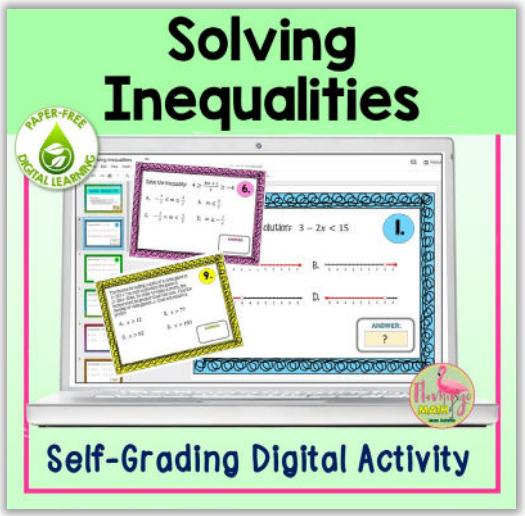


Solving Inequalities For Google Forms

This Algebra 2 Digital Google Activity is a fun-filled resource for reviewing ***Solving Inequalities***.

In this rigorous, engaging self-grading digital activity, your Algebra 2 Honors or PreCalculus students will have an opportunity to practice solving linear inequalities, absolute value inequalities, and application problems.
This resource includes **eighteen digital task cards, a printable answer sheet,** and an **optional digital answer sheet.**

Extension Ideas:
You can display the slides for a whole class discussion through your computer, assign the cards as an independent assignment, or use as a group activity.

Standards covered:

CCSS: HSA.REI.A.1; HSA.REI.B.3; HSA.CED.A.1; HSA.CED.A.4; 8.EE.C.7.A; 8.EE.C.7.B; HSA.REI.A2;

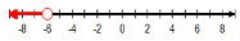
Teaching Suggestions:
Students can enter their answers in one of three ways.
1. Directly on the individual GOOGLE® Slide Task Card
2. On the GOOGLE® Form for easy self-grading.
3. On a paper copy of a student response form

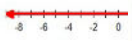
Google Slides/Forms

1. Graph the solution: $3 - 2x < 15$

A. 

B. 

C. 

D. 

2. Graph the solution: $-3 \leq 2x + 1 \leq 5$

A. 

B. 

C. 

D. 

ANSWER:

3. Solve the inequality: $-15 \leq 7 - 2x \leq 5$

A. $x \geq 11$ B. $-11 \leq x \leq 1$

C. $-11 \leq x \leq 11$ D. $1 \leq x \leq 11$

ANSWER:

4. Solve the inequality: $\frac{4x + 9}{11} \geq -4$

A. $x \geq -17$ B. $x \geq -\frac{53}{4}$

C. $x \leq -\frac{53}{4}$ D. $x \leq -\frac{35}{4}$

5. Solve the inequality: $0 \leq 5w + 2 < 9$

A. $-\frac{11}{5} \leq w < \frac{7}{5}$ B. $-\frac{2}{5} < w \leq \frac{7}{5}$

C. $-\frac{2}{5} \leq w < \frac{7}{5}$ D. $-\frac{2}{5} \leq w < \frac{9}{5}$

ANSWER:

6. Solve the inequality: $4 \geq \frac{4m + 2}{3} \geq -4$

A. $-\frac{7}{2} \leq m \leq \frac{5}{2}$ B. $m \leq \frac{5}{2}$

C. $-\frac{7}{2} < m < \frac{5}{2}$ D. $m \geq -\frac{7}{2}$

ANSWER:

PREVIEW

Google Slides/Forms

7.

Solve the inequality:

$$\frac{3p-1}{3}+\frac{4p+1}{5}\le p+1$$

A. $p \ge -\frac{7}{12}$ B. $p \le \frac{17}{12}$

C. $p \le \frac{17}{3}$ D. $p \ge \frac{17}{36}$

ANSWER:

8.

On Friday, he earned $8 per hour
l $135 in tips. His total pay for the
f h represents the number of
ed. Write an inequality to find the
ours he must work to earn this

> 190 B. $135 + 8h \ge 190$

< 190 D. $135 + 8h \le 190$

ANSWER:

9.

ncome for selling x units of a video game is
7x. The cost to produce the game is
8x - 5248. In order to make a profit, the
e must be greater than the cost. Find the
er of video games x that will return a
t?

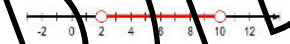
$x > 12$ B. $x > 77$

$x > 82$ D. $x > 103$

ANSWER:

10.

Use absolute value notation to define the interval on the real number line.



A. $|x - 6| < 4$ B. $|x - 6| > 4$

C. $|x + 6| < 4$ D. $|x + 6| > 4$

11.

Use absolute value notation to define the interval on the real number line.



A. $|x + 1.5| < 7.5$ B. $|x - 1.5| > 7.5$

C. $|x + 1.5| > 7.5$ D. $|x - 1.5| < 7.5$

ANSWER:

12.

e inequality: $|x - 5| > 3.3$

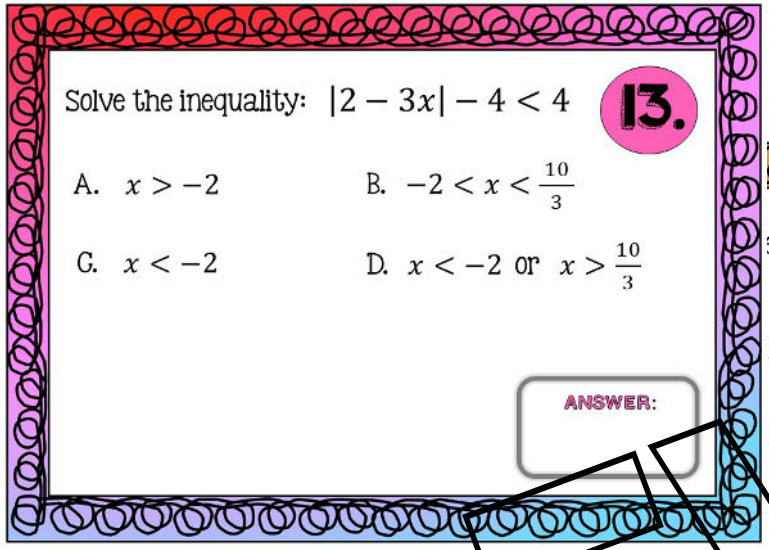
1.7 B. $x > 8.3$

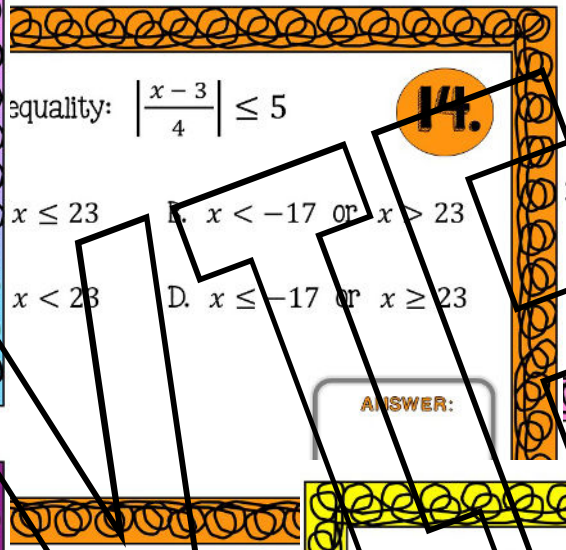
1.7 or $x > 8.3$ D. $1.7 < x < 8.3$

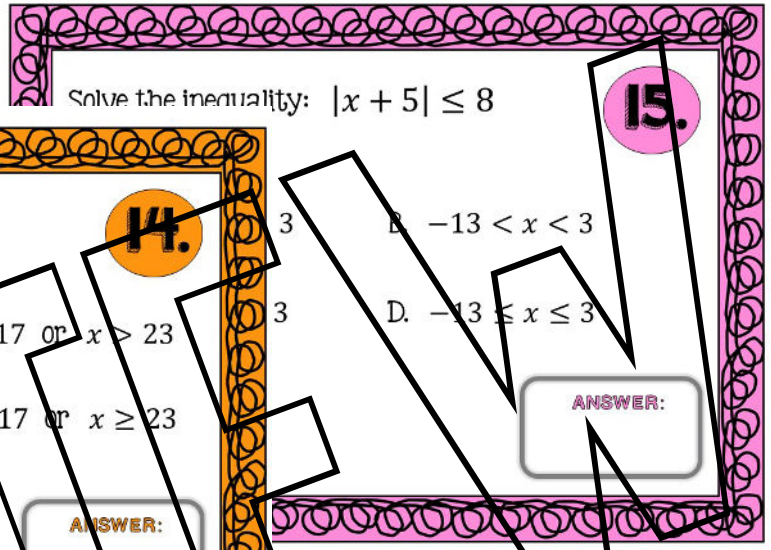
ANSWER:

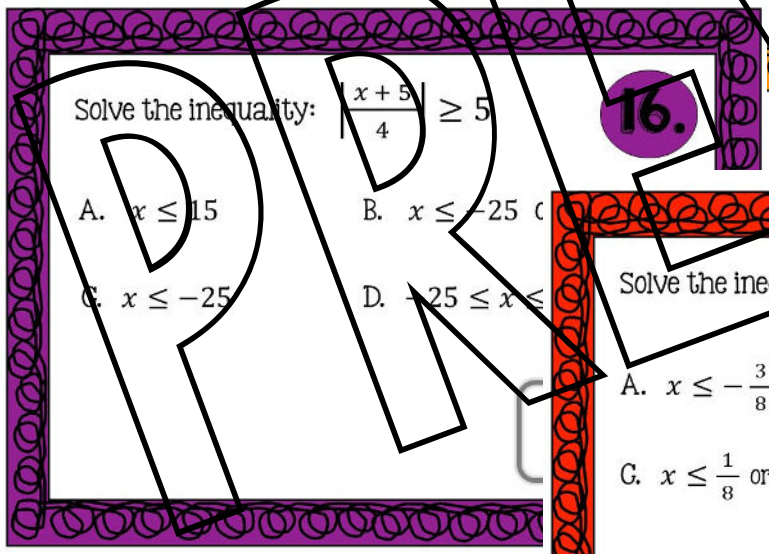
PREVIEW

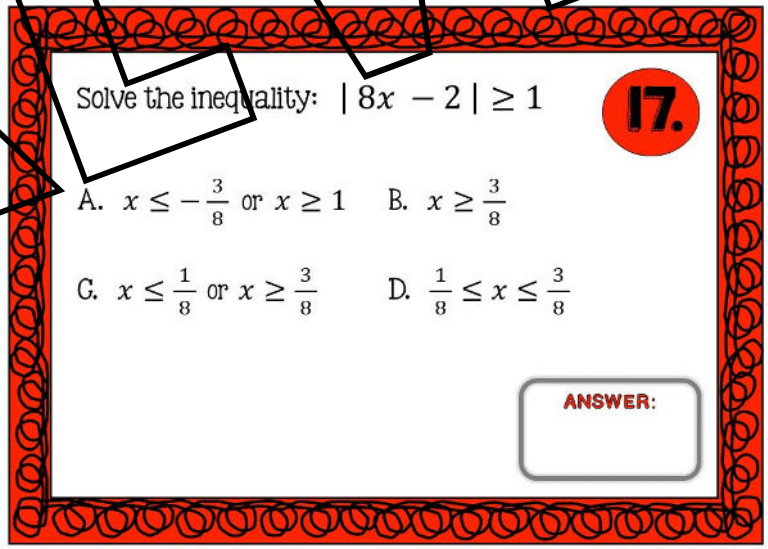
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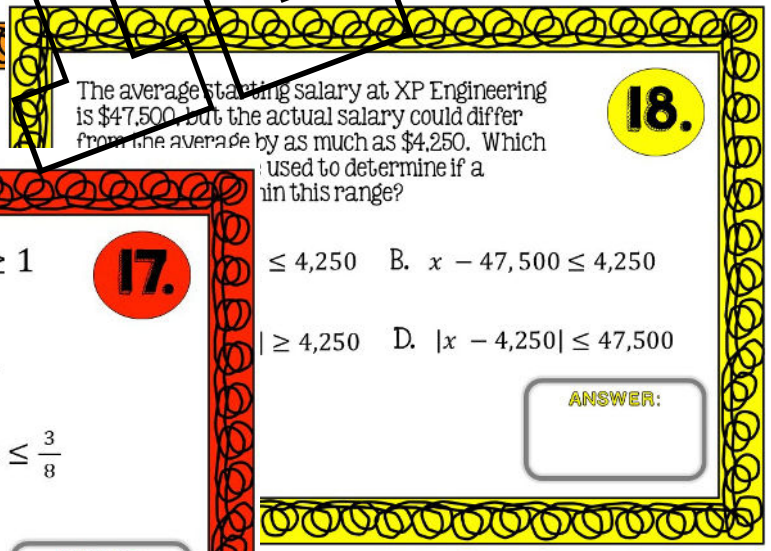






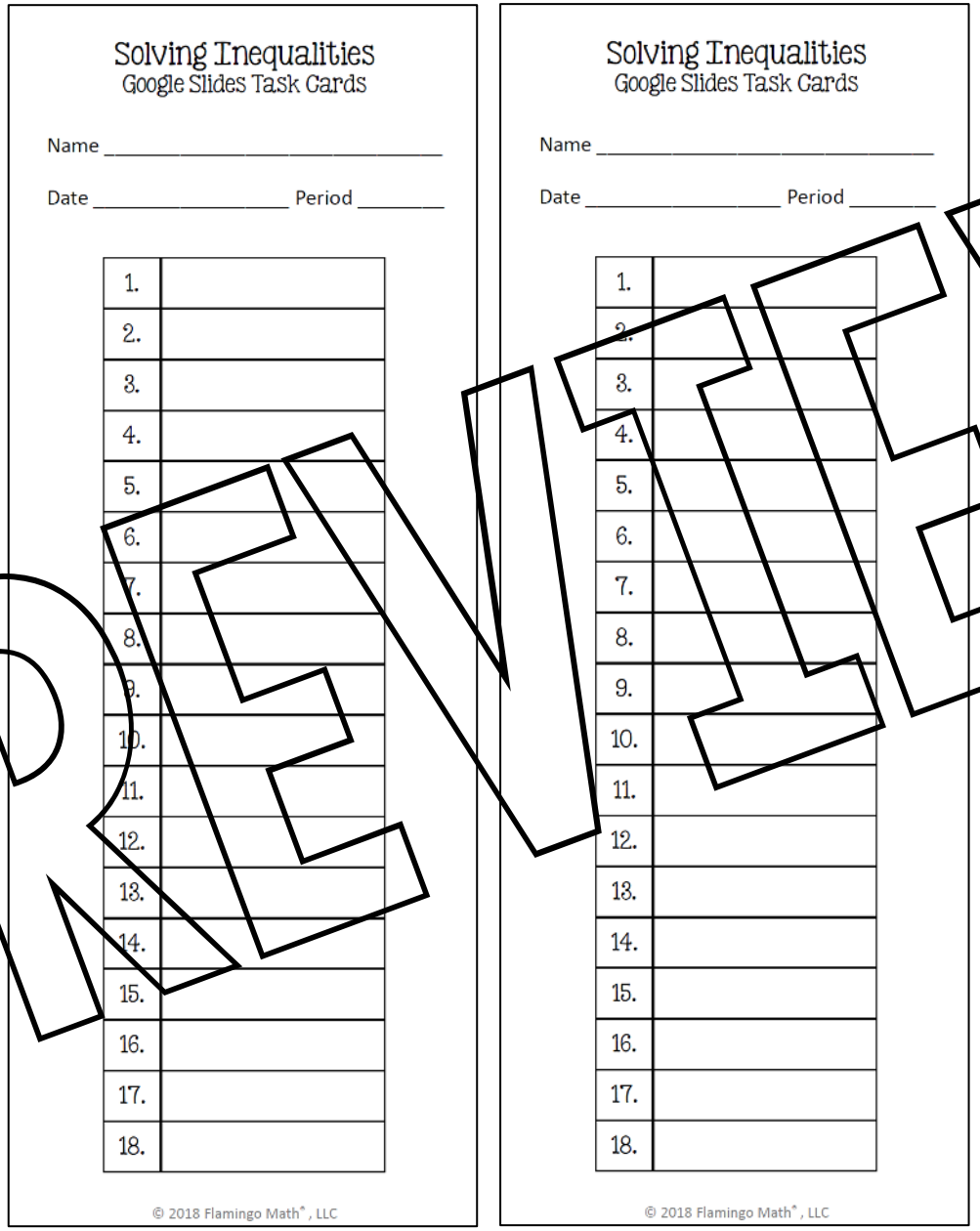






PREVIEW

Student Answer Sheet



Solving Inequalities
Google Slides Task Cards

Name _____

Date _____ Period _____

1.	
2.	
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Solving Inequalities
Google Slides Task Cards

Name _____

Date _____ Period _____

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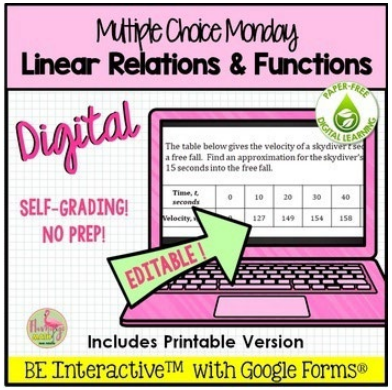
PREVIEW

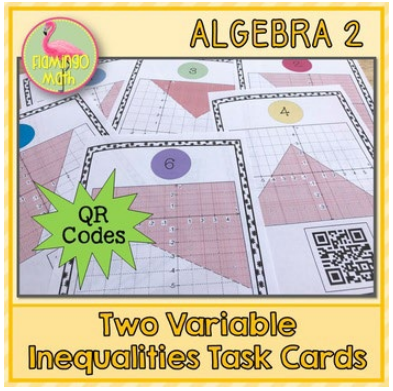


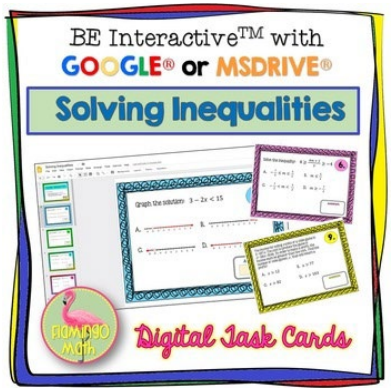
My goal is to help you bring balance into your teacher life by providing relevant content, engaging activities, and comprehensive assessments for your high-stakes math course.

Jean Adams

More Resources **for YOU**









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