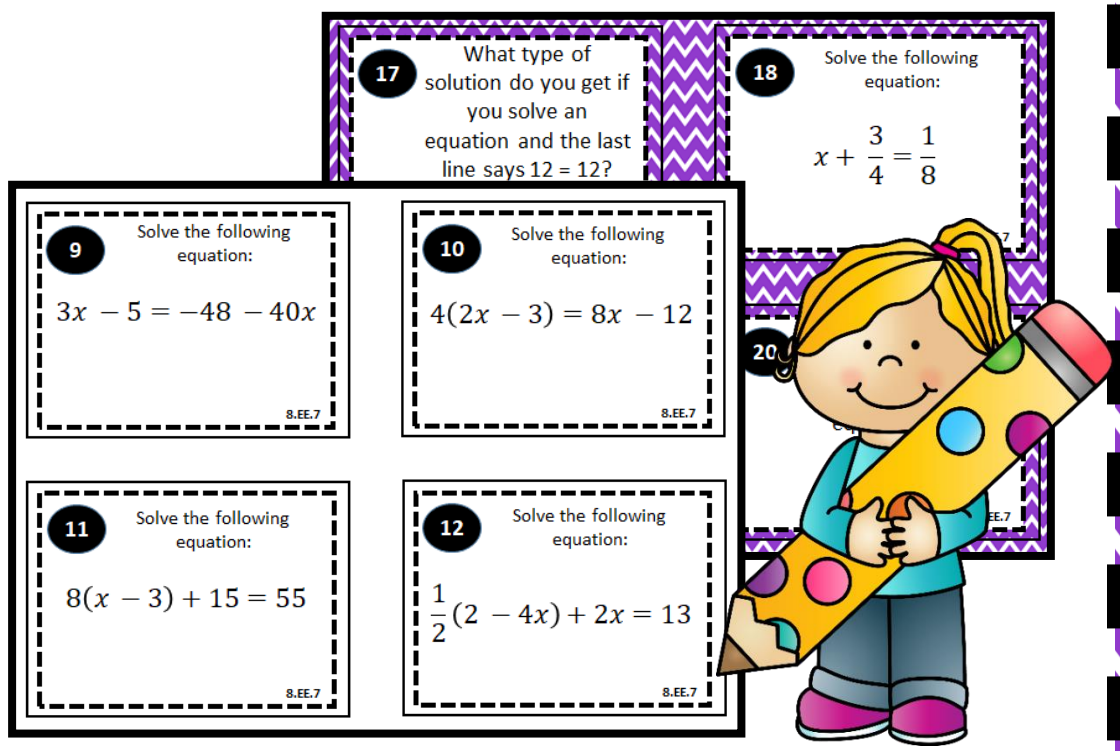
Expressions & Equations Task Cards 8.EE.7

20 Task Cards, Recording Sheet, Answer Sheet

8.EE.7

Solve linear equations in one variable with one solution, infinitely many solutions, or no solutions. Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.



Created by:
Math in the Midwest

8.EE.7

Solve linear equations in one variable with one solution, infinitely many solutions, or no solutions. Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.

1

True or False

If you solve an equation and you end up with 5 = 5 that means the solution is 5.

8.EE.7

2

True or False

If you solve an equation and you end up with 2 = 5 that means there is no solution.

8.EE.7

3

True or False

If you solve an equation and you end up with x = 3 that means the solution is 3.

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4

True or False

When solving an equation there are three types of solutions one can get: one solution, no solution, many solutions.

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5

Solve the following equation:

$$4x + 6 + 3 = 17$$

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6

Solve the following equation:

$$8x - 4(x + 8) = 8$$

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7

Solve the following equation:

$$x - 4 = -9 + x$$

8.EE.7

8

Solve the following equation:

$$-(x - 8) = 14$$

8.EE.7

9

Solve the following equation:

$$3x - 5 = -48 - 40x$$

8.EE.7

10

Solve the following equation:

$$4(2x - 3) = 8x - 12$$

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11

Solve the following equation:

$$8(x - 3) + 15 = 55$$

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12

Solve the following equation:

$$\frac{1}{2}(2 - 4x) + 2x = 13$$

8.EE.7

13

Solve the following equation:

$$14 + 56x - 2 = 8(7x - 1)$$

8.EE.7

14

Solve the following equation:

$$12x + 54 = -8x - 4(-5x + 2)$$

8.EE.7

15

Solve the following equation:

$$52 = 2x + 4(-3x - 17)$$

8.EE.7

16

Solve the following equation:

$$3(5x + 5) = 2(4x - 1) + 3$$

8.EE.7

17

What type of solution do you get if you solve an equation and the last line says 12 = 12?

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18

Solve the following equation:

$$x + \frac{3}{4} = \frac{1}{8}$$

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19

Solve the following equation:

$$2.5x + 18 = 3.5x - 4$$

8.EE.7

20

What type of solution do you get if you solve an equation and the last line says 2 = -2?

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21

8.EE.7

22

8.EE.7

23

8.EE.7

24

8.EE.7

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8.EE.7

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What type of solution do you get if you solve an equation and the last line says 2 = -2?

8.EE.7

21

8.EE.7

22

8.EE.7

23

8.EE.7

24

8.EE.7

Name _____ Hour _____

8.EE.7 Recording Sheet

1.	2.	3.
4.	5.	6.
7.	8.	9.

Name _____ Hour _____

10.	11.	12.
13.	14.	15.
16.	17.	18.
19.	20.	

Answer Key

Number	Answer
1	$False$
2	$True$
3	$True$
4	$True$
5	$x = 2$
6	$x = 10$
7	$No\ Solution$
8	$x = -6$
9	$x = -1$
10	$Infinite\ Solutions$

Number	Answer
11	$x = 8$
12	$No\ Solution$
13	$Infinite\ Solutions$
14	$No\ Solution$
15	$x = 012$
16	$x = -2$
17	$Infinite\ Solutions$
18	$x = -0.625$
19	$x = 22$
20	$No\ Solution$

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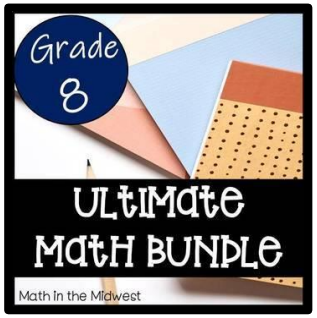

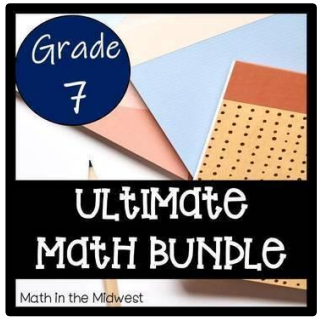

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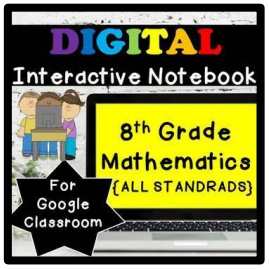

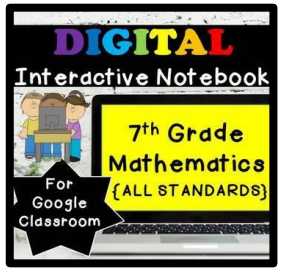

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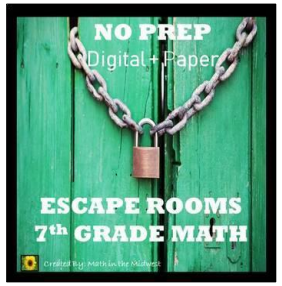

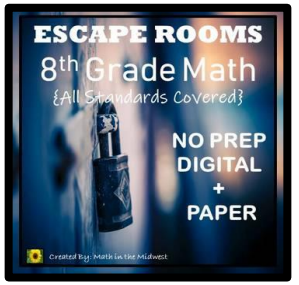

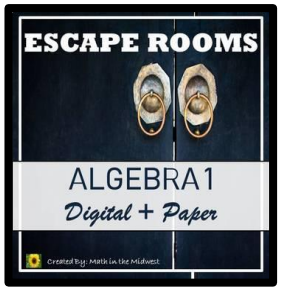

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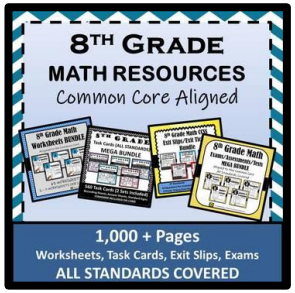

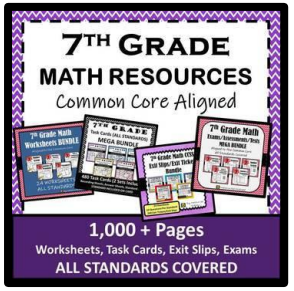

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