

# Functions: Task Cards 8.F.1

20 Task Cards, Recording Sheet, Answer Sheet

**8.F.1**

Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

9

Explain whether the following situation fits the definition of a function.

Input: The Voice, TV show is being telecast.

Output: It appears on televisions.

10

Explain whether the following situation fits the definition of a function.

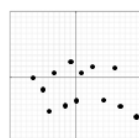
Input: The government gives each person a social security number.

Output: Each citizen is given a social security number when they are born.

8.F.1

17

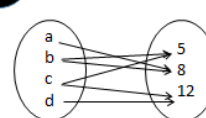
Determine if the following relation is a function or not.



8.F.1

18

Determine if the following relation is a function or not.



8.F.1

19

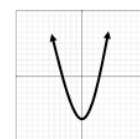
Determine if the following relation is a function or not.

Input	1	5	10	15
Output	3	5	7	3

8.F.1

20

Determine if the following relation is a function or not.



8.F.1

12



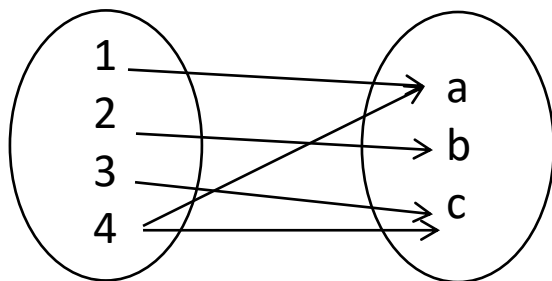
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Math in the Midwest

# 8.F.1

← . . . . . →  
Understand that a function is  
a rule that assigns to each  
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graph of a function is the set  
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corresponding output.

1

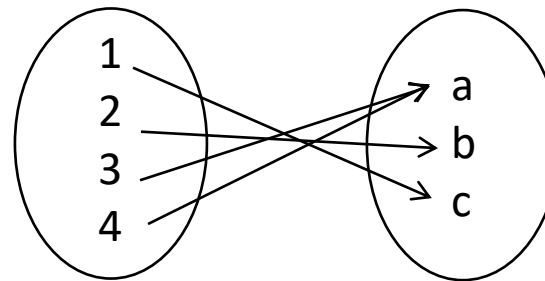
Determine if the following relation is a function or not.



8.F.1

2

Determine if the following relation is a function or not.



8.F.1

3

Determine if the following relation is a function or not.

$\{(1, 5), (2, 3), (6, 8), (7, 9)\}$

8.F.1

4

Determine if the following relation is a function or not.

$\{(0, 2), (1, 4), (8, 4), (1, 4)\}$

8.F.1

5

Determine if the following relation is a function or not.

Input	4	7	10	13
Output	3	3	3	3

8.F.1

6

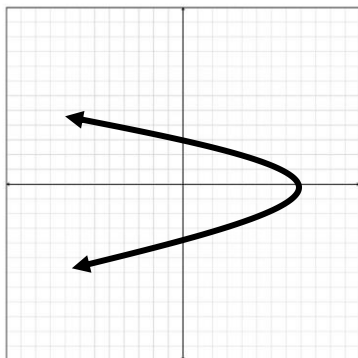
Determine if the following relation is a function or not.

Input	5	5	5	5
Output	2	3	4	5

8.F.1

7

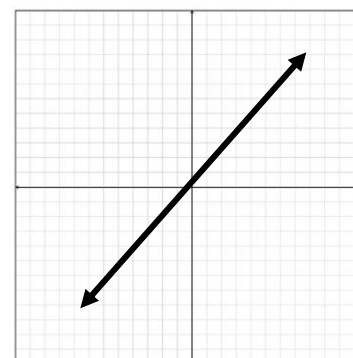
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8.F.1

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8.F.1

**9**

Explain whether the following situation fits the definition of a function.

Input: The Voice, TV show is being telecast.

Output: It appears on televisions in millions of homes.

**8.F.1****10**

Explain whether the following situation fits the definition of a function.

Input: The government gives each person a social security number.

Output: Each citizen is given a social security number when they are born.

**8.F.1****11**

Determine if the following equation represents a function:

$$y = \frac{1}{3}x - 4$$

**8.F.1****12**

Determine if the following equation represents a function:

$$y = x^3 + 1$$

**8.F.1**

**13**

Determine if the following sequence represents a function:

2, 4, 6, 8, 10, 12

8.F.1

**14**

Determine if the following sequence represents a function:

10, 20, 10, 20, 10, 20

8.F.1

**15**

A function is a rule that assigns each \_\_\_\_\_ to exactly one \_\_\_\_\_.

8.F.1

**16**

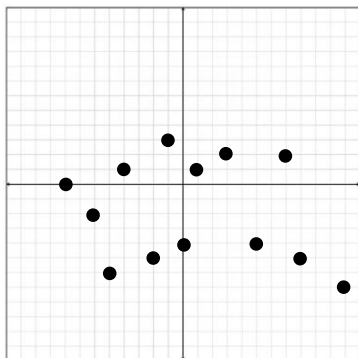
True or False

A properly working vending machine is an example of a real life function.

8.F.1

**17**

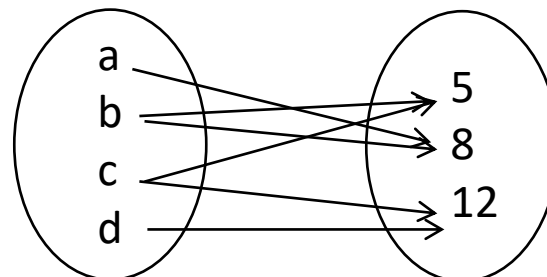
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8.F.1

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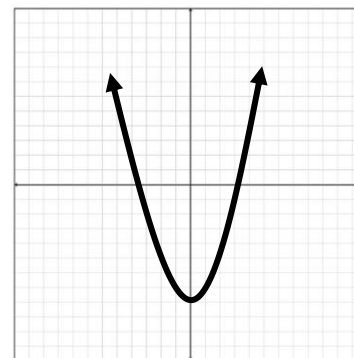
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Output	3	5	7	3

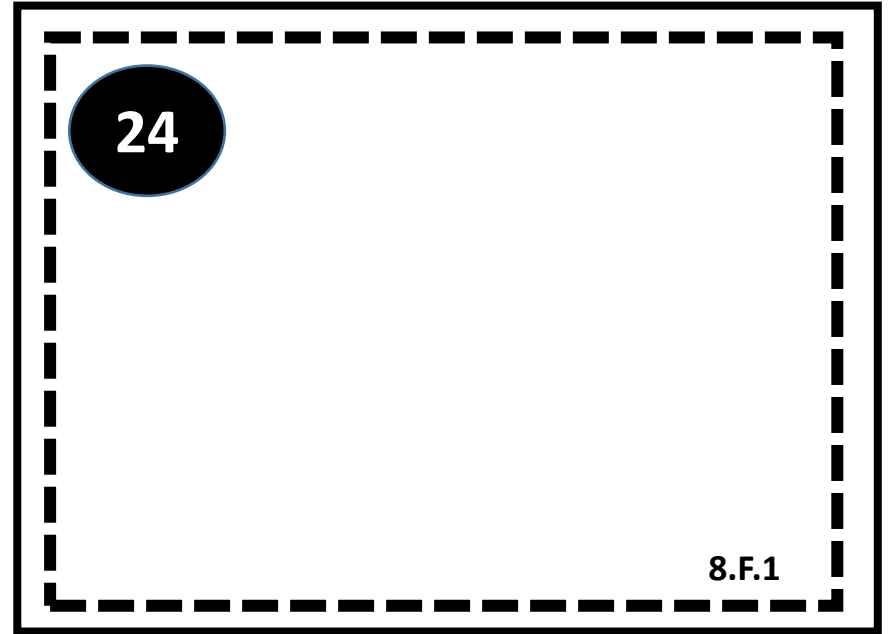
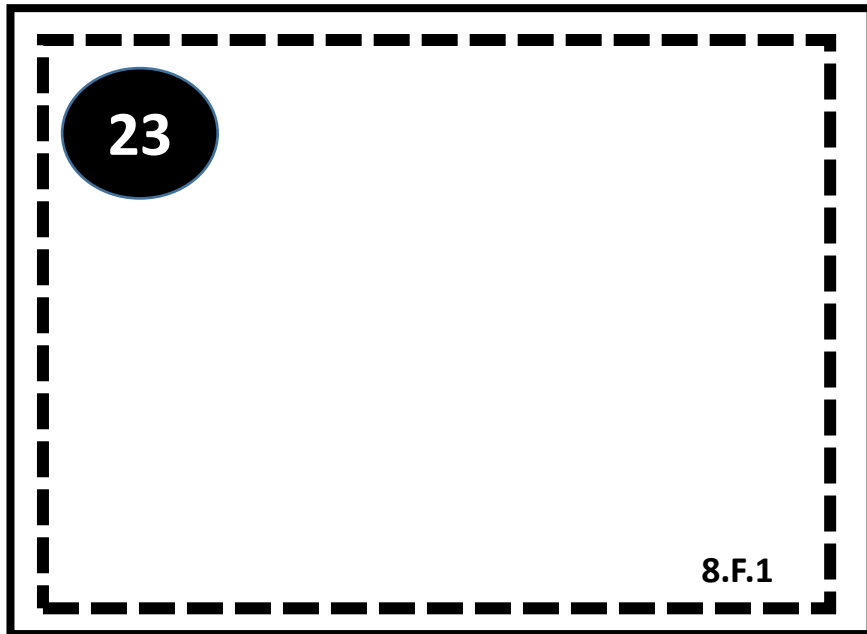
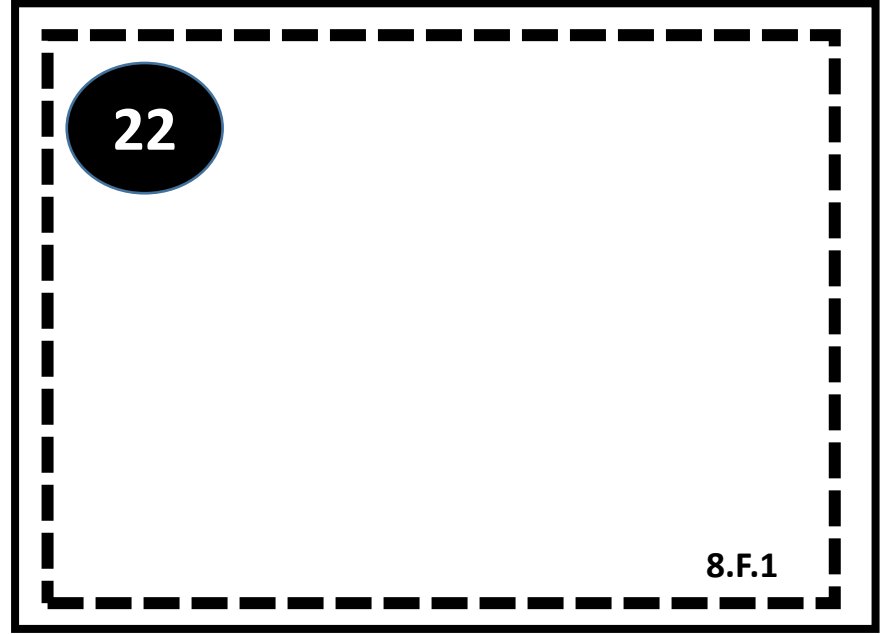
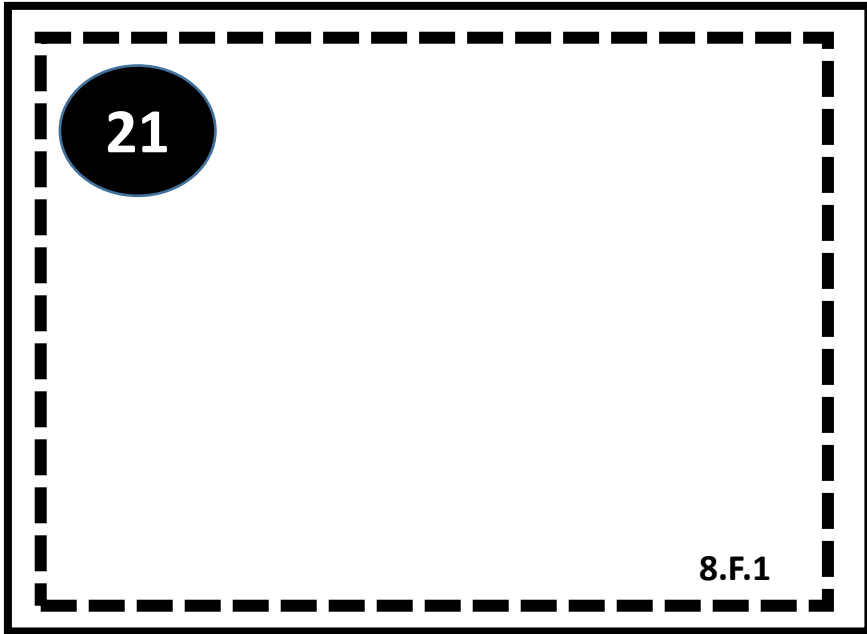
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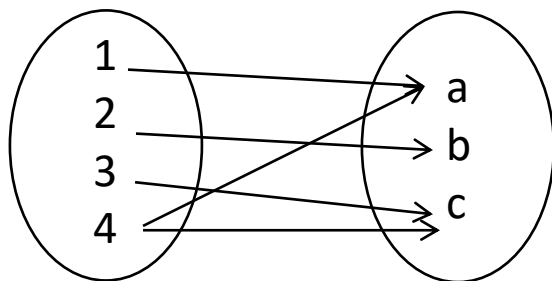
8.F.1





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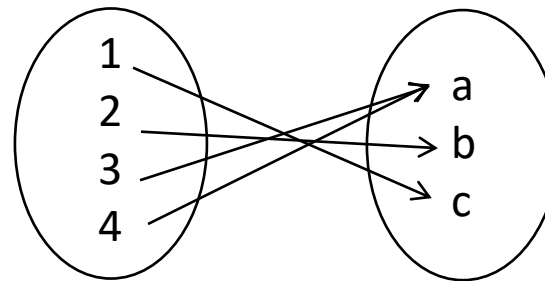
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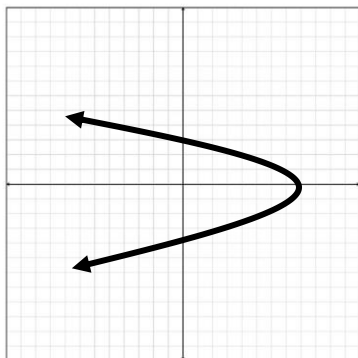
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8.F.1

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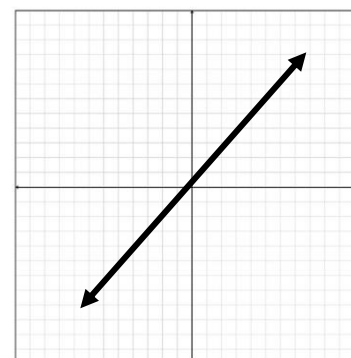
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Determine if the following sequence represents a function:

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8.F.1

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A function is a rule that assigns each \_\_\_\_\_ to exactly one \_\_\_\_\_.

8.F.1

**16**

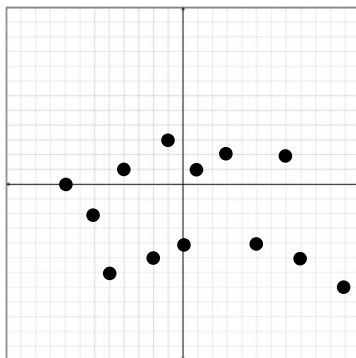
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8.F.1

**17**

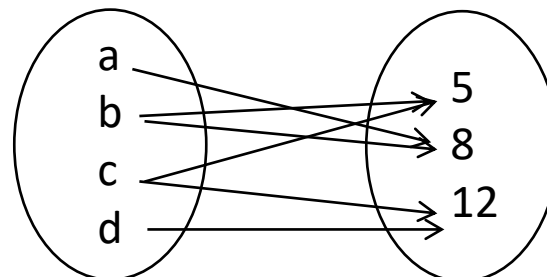
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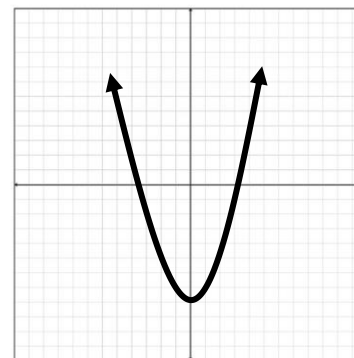
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8.F.1

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8.F.1

21

8.F.1

22

8.F.1

23

8.F.1

24

8.F.1

Name \_\_\_\_\_

Hour \_\_\_\_\_

# 8.F.1 Recording Sheet

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

Name \_\_\_\_\_

Hour \_\_\_\_\_

10.

11.

12.

13.

14.

15.

16.

17.

18.

19.

20.



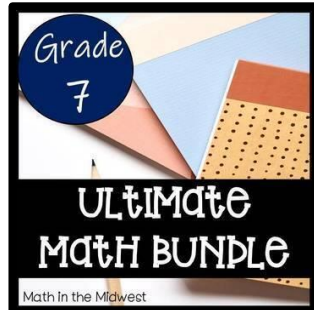
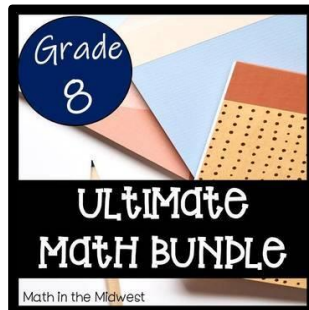
# Answer Key

Number	Answer
1	Not a Function
2	Function
3	Function
4	Function
5	Function
6	Not a Function
7	Not a Function
8	Function
9	Not a Function
10	Function

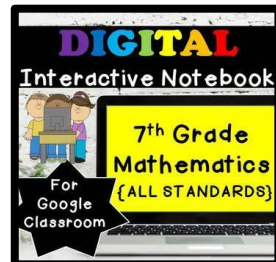
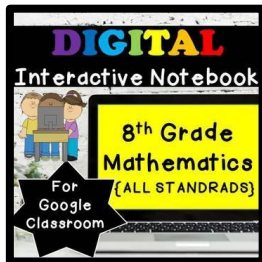
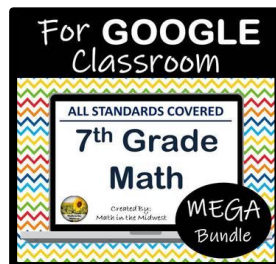
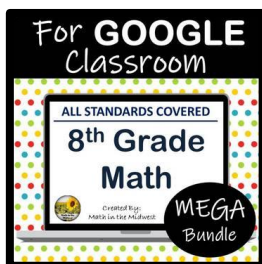
Number	Answer
11	<i>Function</i>
12	<i>Not a Function</i>
13	Function
14	Not a Function
15	Input/Output
16	True
17	Function
18	Not a Function
19	<i>Function</i>
20	Function

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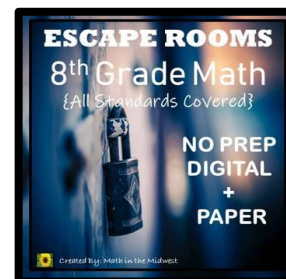
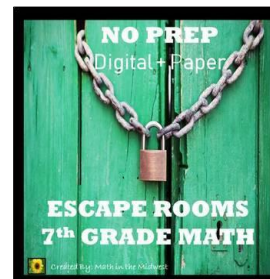
## Ultimate Bundles:



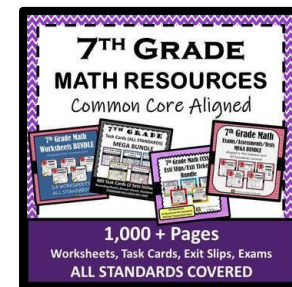
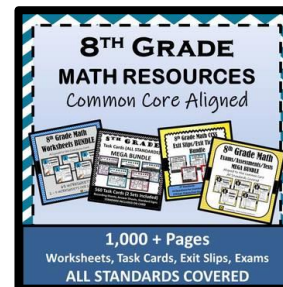
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## Escape Rooms:



## PDF Bundles:



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