



ES

1

2

3

4

5

6

7

8

Wyatt gets a summer job

cutting grass. Wyatt receives a flat rate of \$40 for each day he works, as well as \$6 for each lawn cut. His total pay (in dollars) for the day is represented by  $P$ ; the number of lawns he cuts is represented by  $g$ . His total earnings for a given day is expressed with the function:

$$P = 6g + 40$$

On Wyatt's first day of work, he cuts 6 lawns. Use the function to calculate his total pay.

$P =$

Touch for Solution

1 2 3 4 5 6 7 8 9 0

Reset



Diana decides to sell her old



**WELL DONE!**

newspaper. The first  
e an initial cost of \$20



✓ a) If the total cost is represented by  $C$ , and the number of days by  $d$ , which equation represents this relationship?

**$C = 20d + 7$     $C = 20 + 7d$     $C = (20 + 7)d$     $C = 20 + 7 \div d$**

✓ b) Diana checks the rates for online advertising and finds there is no initial cost, but it will cost \$10 per day. If the ad runs 7 days, which is the better bargain?

**Newspaper Ad**

**Online Ad**

Newspaper Ad:  $C = 20 + 7(7)$   
 $C = 20 + 49$   
 $C = \$69$

Online Ad:  $C = 10(7)$   
 $C = \$70$



1 2 3 4 5 6 7 8

A pattern that increases when the same amount is added to each term is represented in the input-output table to the right.

Which of the following is the term number (*input*) when the term value (*output*) is 61?

Term Number ( <i>input</i> )	Term Value ( <i>output</i> )
1	12
2	19
3	26
4	33
5	40

6

8

41

47

Touch for Solution