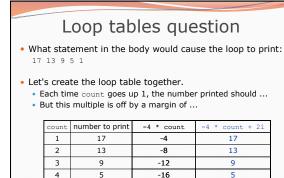


- What statement in the body would cause the loop to print: 2 7 12 17 22
- To see patterns, make a table of count and the numbers.
 Each time count goes up by 1, the number should go up by 5.
 - But count * 5 is too great by 3, so we subtract 3.

count	number to print	5 * count	5 * count - 3
1	2	5	2
2	7	10	7
3	12	15	12
4	17	20	17
5	22	25	22



-20

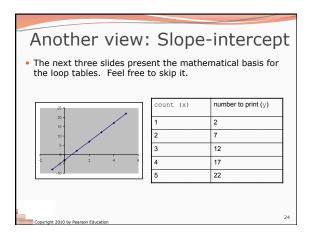
1

23

5

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1



Another view:	Slope-	intercept
 Caution: This is algebra, not ass Recall: slope-intercept form (y = Slope is defined as "rise over rur always 1 (we increment along x "rise". The rise is the difference slope (m) is the difference betwe To compute the y-intercept (b), solve for b. In this case, y = 2. y = m * x + b 	mx + b) mx + b) by 1), we just r between the y en y values; in	n). Since the "run" is need to look at the values. Thus, the this case, it is $+5$. It of y at $x = 1$ and
2 = 5 * 1 + b	count (x)	number to print (y)
Then $b = -3$	1	2
 So the equation is y = m * x + b 	2	7
y = 5 * x - 3	3	12
y = 5 * count - 3	4	17
	5	22
		25
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