
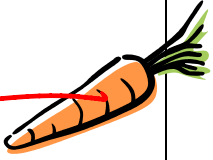


Help the rabbit find his way through the maze to the carrot. Answer the problems below and move through the maze using the correct answers. You can move diagonally.

	$a + b$	$3a + b$	$b - 2a$	$3b$
$2a + b$	$4a$	$2b$	$b + 2a$	$-3b$
$a + 2b$	$2b$	$a + b + 3$	$a + b + 2$	$5a - 2b$
$a - 2b$	$5a$	$5b$	$a + b + 1$	$4a$
$a + 2b + 1$	$a - b + 2$	$3b$	$a + 4$	

Simplify the logarithms using $\log 2 = a$, $\log 3 = b$. Be sure to evaluate base 10 logs when possible.

- $\log 12$
 $\log(3 \cdot 4) = \log 3 + 2 \log 2$
 $b + 2a$
- $\log 16$
 $\log 2^4$
 $4 \log 2 = 4a$
- $\log 24$
 $\log(2^3 \cdot 3)$
 $3 \log 2 + \log 3$
 $3a + b$
- $\log \frac{3}{4}$
 $\log 3 - \log 2^2$
 $\log 3 - 2 \log 2$
 $b - 2a$
- $\log \frac{1}{27}$
 $\log 1 - \log 3^3$
 $0 - 3 \log 3$
 $-3b$
- $\log \frac{32}{9}$
 $\log 32 - \log 9$
 $\log(2^5) - \log 3^2$
 $5 \log 2 - 2 \log 3$
 $5a - 2b$
- $\log 600$
 $\log(6 \cdot 100)$
 $\log 2 + \log 3 + \log 100$
 $a + b + 2$
- $\log 6000$
 $\log(6 \cdot 1000)$
 $\log 2 + \log 3 + \log 1000$
 $a + b + 3$
- $\log 3^5$
 $5 \log 3$
 $5b$
- $\log 20000$
 $\log(2 \cdot 10000)$
 $\log 2 + \log 10000$
 $a + 4$