

NAME: _____

SCORE: _____ out of 6 points

Unit 1 Performance Task

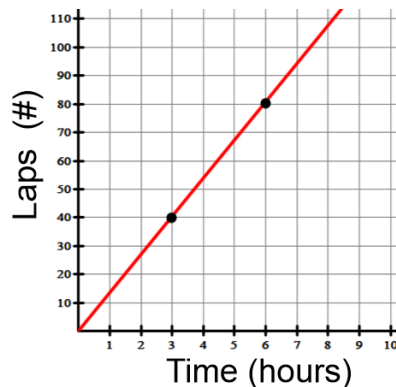
JOBBY JOB

Mr. Kelly and Mr. Sully participate in a Walk-A-Thon fundraiser. Each person gets walks laps around a track to raise money for the math club. The amount each person walked is shown below.

Kelly

Time (hours)	Laps (#)
0	14
1	28
2	42
3	56

Sully



PART A

Fin the blank for the equation that represents the number of laps l , that the walked in h hours.

Kelly

$$l = \underline{\quad} \cdot h$$

Sully

$$l = \underline{\quad} \cdot h$$

PART B

Who is walking faster? Explain your answer.

PART C

Mr. Kelly and Mr. Sully both walk for the full 24 hour time period. How many laps did the faster walker walk in that time period? Justify your solution by showing your work.

Jobby Job Scoring Rubric

Part	Solution	Points	Section Points						
A	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"><u>Mr Kelly</u> $l = 12n$</td> <td style="text-align: center; width: 50%;"><u>Mr Sully</u> $l = 13.\bar{3}n$</td> </tr> <tr> <td colspan="2" style="text-align: center;">OR</td> </tr> <tr> <td colspan="2" style="text-align: center;">$l = \frac{40}{3}n$</td> </tr> </table>	<u>Mr Kelly</u> $l = 12n$	<u>Mr Sully</u> $l = 13.\bar{3}n$	OR		$l = \frac{40}{3}n$		<p style="text-align: center;">1 point for correct equation for Kelly</p> <p style="text-align: center;">1 point for correct equation for Sully</p>	2 points
<u>Mr Kelly</u> $l = 12n$	<u>Mr Sully</u> $l = 13.\bar{3}n$								
OR									
$l = \frac{40}{3}n$									
B	<p>Mr Sully is walking faster. Sully walks $13.\bar{3}$ laps per hour while Kelly walks 12 laps per hour.</p>	1 point for valid argument	1 point						
C	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"><u>Mr Kelly</u> $l = 12(24)$ 288 laps</td> <td style="text-align: center; width: 50%;"><u>Mr Sully</u> $l = 13.\bar{3}(24)$ 320 laps</td> </tr> <tr> <td colspan="2" style="text-align: center;">320 laps minus 288 laps equals 32 laps.</td> </tr> <tr> <td colspan="2" style="text-align: center;">Mr Sully walks 32 more laps than Mr Kelly.</td> </tr> </table>	<u>Mr Kelly</u> $l = 12(24)$ 288 laps	<u>Mr Sully</u> $l = 13.\bar{3}(24)$ 320 laps	320 laps minus 288 laps equals 32 laps.		Mr Sully walks 32 more laps than Mr Kelly.		<p style="text-align: center;">1 point for correct number of laps for Kelly/Sully</p> <p style="text-align: center;">1 point for correct answer of 32 laps</p> <p style="text-align: center;">1 point for justifying answer</p>	3 points
<u>Mr Kelly</u> $l = 12(24)$ 288 laps	<u>Mr Sully</u> $l = 13.\bar{3}(24)$ 320 laps								
320 laps minus 288 laps equals 32 laps.									
Mr Sully walks 32 more laps than Mr Kelly.									
TOTAL POINTS			6 points						