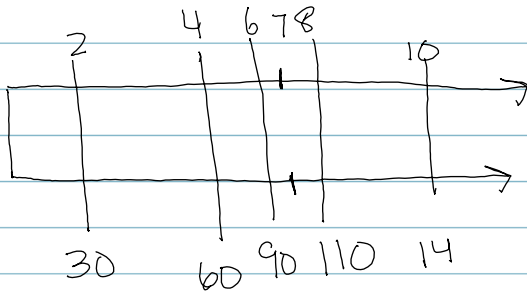


Ratios from Double Line diagrams

Kyra is participating in a fundraiser walk-a-thon. She walks 2 miles in 30 minutes. If she continues to walk at the same rate, determine how many minutes it will take her to walk 7 miles. Use a double number line to support your answer.

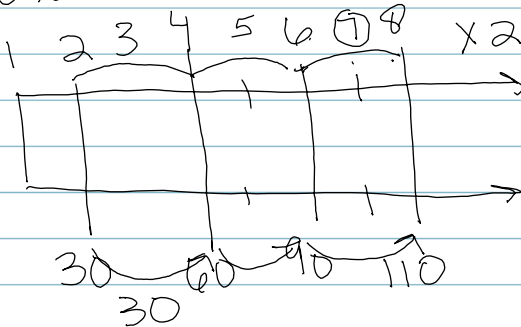
miles	1	2	4	6	8	10
minutes	15	30	60	90	110	140



$$2 \div 2 = 1$$

$$7 \times 15 = 105 \text{ min}$$

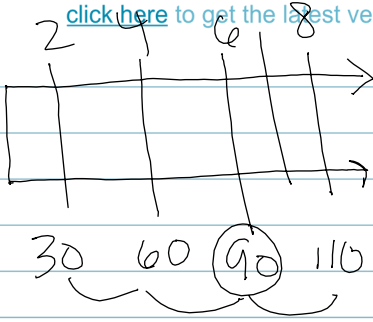
$$30 \div 2 = 15$$



$$\frac{1}{2} \times \frac{30}{1} = \frac{30}{2}$$

$$15$$

$$90 \text{ min} + 15 \text{ min} = 105 \text{ min}$$



miles : min

Parts
whole

$$\frac{1}{2} = \frac{x}{30}$$



$$\frac{2x}{2} = \frac{30}{2}$$

$$x = 15$$

$$90 + 15 \text{ min} = 105 \text{ min}$$