

# Standards for Student Mathematical Practice

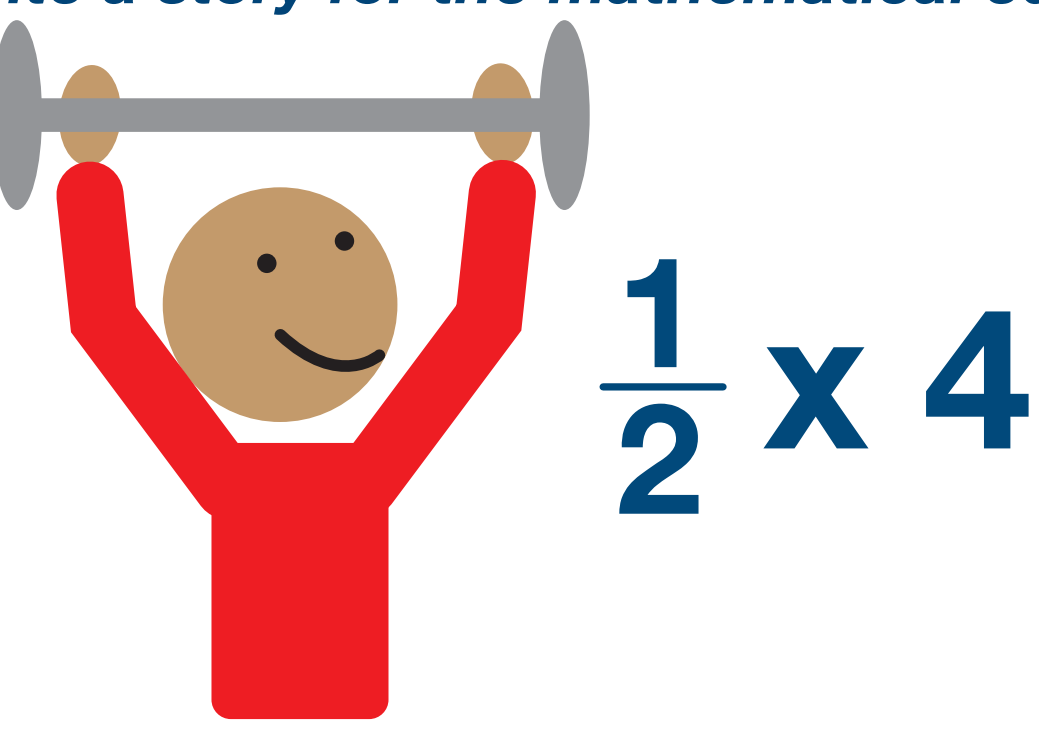
**1** **Make sense of problems and persevere in solving them.**



**Keep on going!**

**2** **Reason abstractly and quantitatively.**

Write a story for the mathematical equation

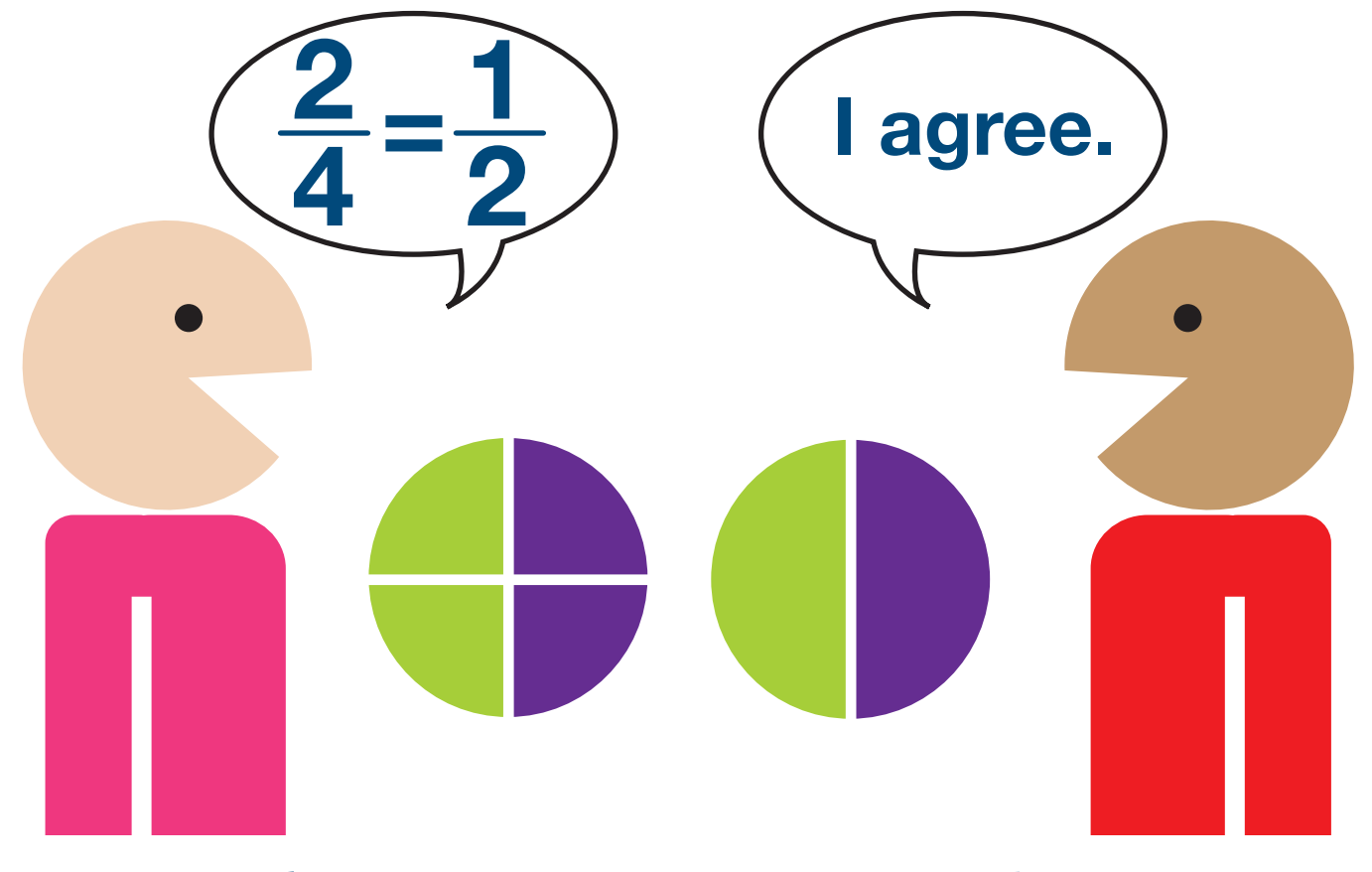


$\frac{1}{2} \times 4$

DeJuan exercises  $\frac{1}{2}$  hour a day for 4 days. How many total hours does he exercise?

**Think what makes sense.**

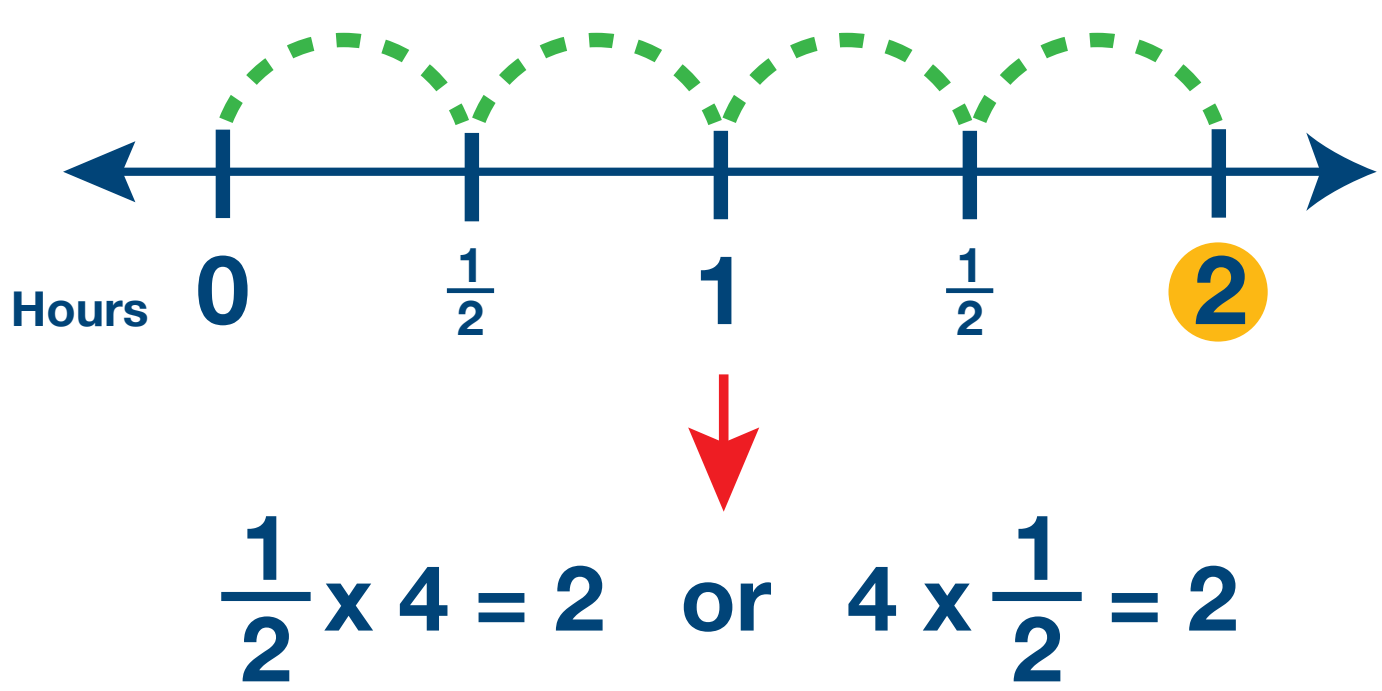
**3** **Construct viable arguments and critique the reasoning of others.**



$\frac{2}{4} = \frac{1}{2}$  I agree.

**Talk and explain.**

**4** **Model with mathematics.**



Hours 0  $\frac{1}{2}$  1  $\frac{1}{2}$  2

$\frac{1}{2} \times 4 = 2$  or  $4 \times \frac{1}{2} = 2$

**Show your thinking.**

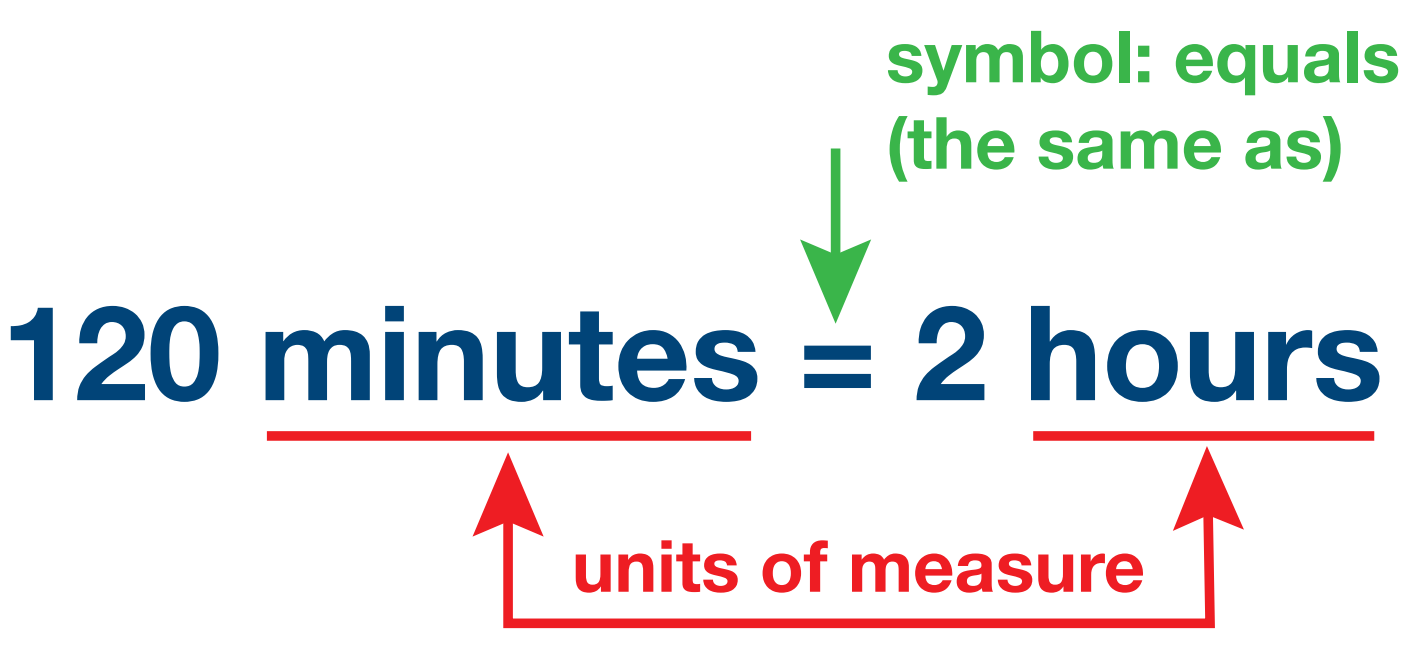
**5** **Use appropriate tools strategically.**



$3 \times 2 = 6$

**Use the right tools.**

**6** **Attend to precision.**



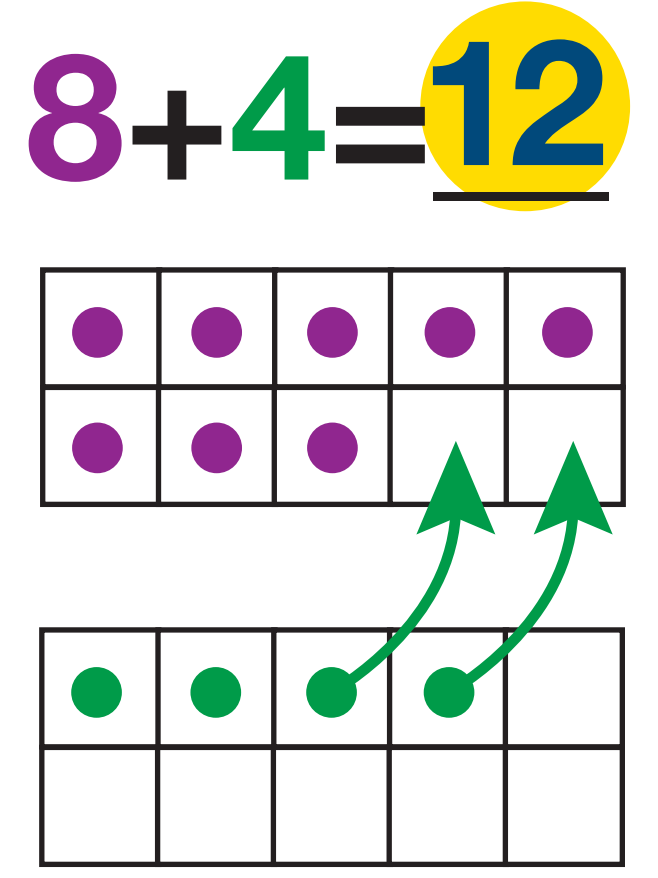
symbol: equals (the same as)

$120 \text{ minutes} = 2 \text{ hours}$

units of measure

**Check your work.**


**7** **Look for and make use of structure.**



$8 + 4 = 12$

**See the pattern or connection.**

**8** **Look for and express regularity in repeated reasoning.**



**See the pattern or connection.**