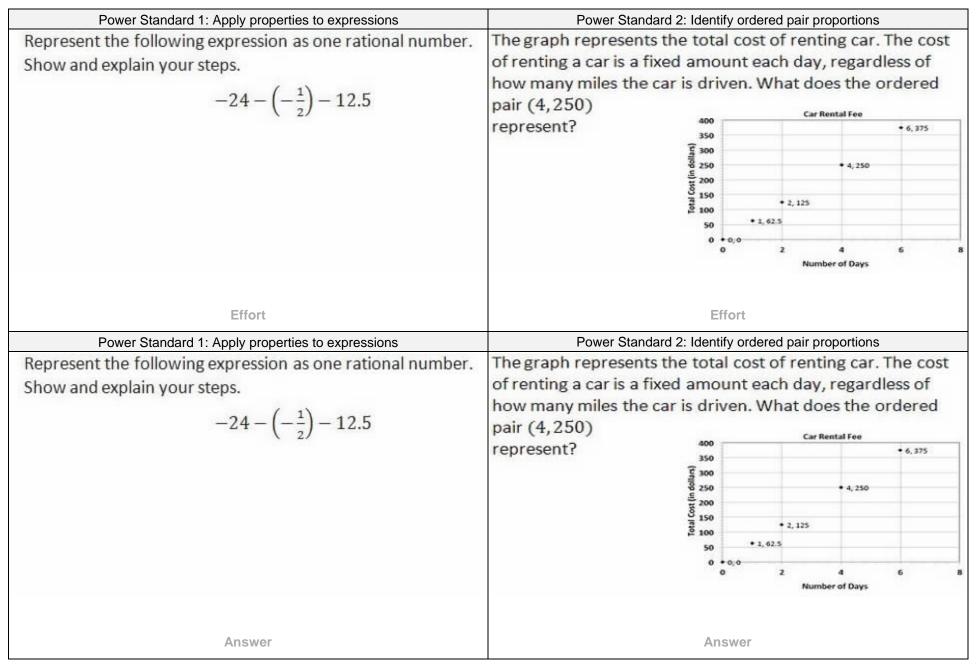
## FIM mathematics | WARM-UP# 12



## FIMmathematics | WARM-UP# 12

	Name:
Power Standard 3: Solve varied rational numbers	Power Standard 4: Solve multi-step problems
Mrs. Stahl invests \$8,000 in a savings plan. At the end of the year the savings account pays an annual interest rate of 5.25% on the amount she put in the account. How much will Mrs. Stahl earn if she leaves her money in the savings plan for 15 years? Solve and explain why your solution is reasonable.	A pet store sells dog food for \$30. The store buys the dog food at a cost of \$15. What is the mark-up percentage? Explain your thinking.
Effort Power Standard 3: Solve varied rational numbers	Effort Power Standard 4: Solve multi-step problems
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Answer	Answer

## FIMmathematics | WARM-UP# 12

Power Standard 5: Divide rational numbers	Power Standard 6: Solve real world inequalities
Divide. Show your thinking. – 81 ÷ - 9	On a cruise ship, there are two options for an Internet connection. The first option is a fee of \$5 plus an additional \$0.25 per minute. The second option costs \$50 for an unlimited number of minutes. For how many minutes, <i>m</i> , is the first option cheaper than the second option? Graph the solution.
Effort	Effort
Power Standard 5: Divide rational numbers	Power Standard 6: Solve real world inequalities
Divide. Show your thinking. −81 ÷ -9	On a cruise ship, there are two options for an Internet connection. The first option is a fee of \$5 plus an additional \$0.25 per minute. The second option costs \$50 for an unlimited number of minutes. For how many minutes, <i>m</i> , is the first option cheaper than the second option? Graph the solution.
Answer	Answer

## FIMmathematics | WARM-UP# 12

	Name:
Power Standard 7: Add and subtract	Power Standard 8: Identify a constant
Draw arrows on the number line to represent and solve the	In 50 minutes, Rand can run 20 laps around the track.
following problem: $4 + (-3) + (-9)$	Determine the number of laps he can run per minute.
Effort Power Standard 7: Add and subtract	Effort Power Standard 8: Identify a constant
Draw arrows on the number line to represent and solve the	In 50 minutes, Rand can run 20 laps around the track.
following problem: $4 + (-3) + (-9)$ $\leftarrow + + + + + + + + + + + + + + + + + + +$	Determine the number of laps he can run per minute.
Answer	Answer