Power Standard 1: Add/subtract on number line	Power Standard 2: Compute unit rate
What is the distance between −6 and −10? Use the number line to explain your answer. Effort	If a proportional relationship is given by a description such as a person works 22 ½ hours in 3 ¾ days at a constant rate, what would be the unit rate? Show your thinking. Effort
Power Standard 1: Add/subtract on number line	Power Standard 2: Compute unit rate
What is the distance between −6 and −10? Use the number line to explain your answer. Answer	If a proportional relationship is given by a description such as a person works 22 ½ hours in 3 ¾ days at a constant rate, what would be the unit rate? Show your thinking. Answer

© The Institute for Excellence in Education 2016 Version 2.0

Power Standard 3: Write in other forms	Power Standard 4: Show proportion in equations
Rewrite the expression in standard form: $-(2h-9)-4h$ Effort	Jamie made 4.5 gallons of homemade laundry detergent in 2 days. How many days will it take Jamie to make 27 gallons of laundry detergent? Explain your thinking. Effort
Power Standard 3: Write in other forms	**Power Standard 4: Show proportion in equations**
Rewrite the expression in standard form: $-(2h-9)-4h$ Answer	Jamie made 4.5 gallons of homemade laundry detergent in 2 days. How many days will it take Jamie to make 27 gallons of laundry detergent? Explain your thinking. Answer

© The Institute for Excellence in Education 2016 Version 2.0

Power Standard 5: Multiply rational numbers	Power Standard 6: Solve real world equations
Multiply. Show your thinking. $\frac{5}{6} \times -\frac{1}{2}$ Effort	The sum of two consecutive odd numbers is156. What are the numbers? Effort
Power Standard 5: Multiply rational numbers	**Power Standard 6: Solve real world equations**
Multiply. Show your thinking. $\frac{5}{6} \times -\frac{1}{2}$ Answer	The sum of two consecutive odd numbers is156. What are the numbers? Answer

© The Institute for Excellence in Education 2016 Version 2.0

Power Standard 7: Use order of operations	Power Standard 8: Solve real world problems
Write the number $\frac{15}{4}$ as a decimal using long division. Tell if the answer is a terminating or repeating decimal, and explain how you know. Effort	Sally needs 206.1 inches of ribbon for a craft project. She has 156.3 inches of ribbon already. How many more inches of ribbon does Sally need? Show your thinking. Effort
Power Standard 7: Use order of operations	**Power Standard 8: Solve real world problems**
Write the number $\frac{15}{4}$ as a decimal using long division. Tell if the answer is a terminating or repeating decimal, and explain how you know. Answer	Sally needs 206.1 inches of ribbon for a craft project. She has 156.3 inches of ribbon already. How many more inches of ribbon does Sally need? Show your thinking. Answer

© The Institute for Excellence in Education 2016 Version 2.0