Power Standard 1: Add/subtract on number line	Power Standard 2: Compute unit rate
A fish was swimming $3\frac{1}{2}$ feet below the water's surface at 7:00 a.m. Four hours later, the fish was at a depth that is $5\frac{1}{4}$ feet below where it was at 7:00 a.m. What rational number represents the position of the fish with respect to the water's surface at 11:00 a.m.? Write an equation, and use a number line to model your answer. Effort	If 2 ¼ feet of fabric costs $20.25, how much would 1 foot of fabric cost? Show your thinking. Effort
Power Standard 1: Add/subtract on number line	Power Standard 2: Compute unit rate
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7th Grade

Power Standard 3: Write in other forms	Power Standard 4: Show proportion in equations
Rewrite the expression as a product of two factors: $36z + 72$	Nora purchased cherries to bake pies. What is the constant of proportionality? Explain your thinking. Effort

Pounds of cherries	2	4	6	8
Price of cherries	5	10	15	20

Effort

Power Standard 3: Write in other forms	Power Standard 4: Show proportion in equations
Rewrite the expression as a product of two factors: $36z + 72$	Nora purchased cherries to bake pies. What is the constant of proportionality? Explain your thinking.

Pounds of cherries	2	4	6	8
Price of cherries	5	10	15	20

Answer

Answer

Name: _____

Power Standard 5: Multiply rational numbers	Power Standard 6: Solve real world equations
Multiply. Show your thinking. $5 \times (-8)$	A number is 6 greater than $\frac{1}{2}$ another number. If the sum of the numbers is 21, find the numbers.
Effort	Effort
Power Standard 5: Multiply rational numbers	Power Standard 6: Solve real world equations
Multiply. Show your thinking. $5 \times (-8)$	A number is 6 greater than $\frac{1}{2}$ another number. If the sum of the numbers is 21, find the numbers.
Answer	Answer

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Power Standard 7: Use order of operations	Power Standard 8: Solve real world problems
Write the number $\frac{5}{6}$ as a decimal using long division. Tell if the answer is a terminating or repeating decimal, and explain how you know. Effort	The cost of a babysitting service on a cruise is $10 for the first hour and $12 for each additional hour. If the total cost of babysitting baby Aaron was $58, how many hours was Aaron at the sitter? Show your thinking. Effort

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