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| **Determining Unknown Values in Proportional Situations** |
| Understands and describes a proportional situation“In a proportional situation, the two variables change at the same rate. They have the same ratio. For example, if 1 pineapple costs $5, then 2 pineapples cost $10.” | Uses a ratio table to determine an unknown value In a lake, the ratio of yellow perch to northern pike caught is approximately 8:3.150 northern pike were caught.About how many yellow perch were caught?“About 400 yellow perch were caught.” | Uses a scale factor to determine an unknown value In a lake, the ratio of yellow perch to northern pike caught is approximately 8:3.150 northern pike were caught.About how many yellow perch were caught?“The scale factor is:= So, the number of yellow perch caught is:  × 150 = 400About 400 yellow perch were caught.” | Uses a proportion to determine an unknown valueIn a lake, the ratio of yellow perch to northern pike caught is approximately 8:3.150 northern pike were caught.About how many yellow perch were caught?“Let *y* represent the number of yellow perch caught. About 400 yellow perch were caught.” |
| **Observations/Documentation** |
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