



MIXED REVIEW FOR TEKS



TAKS PRACTICE
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Lessons 6.5–6.7

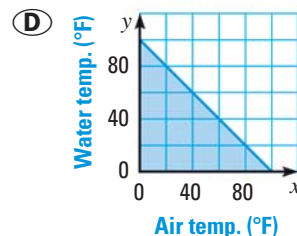
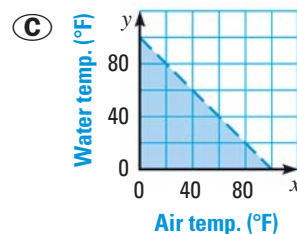
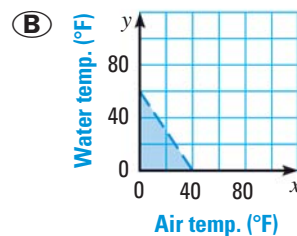
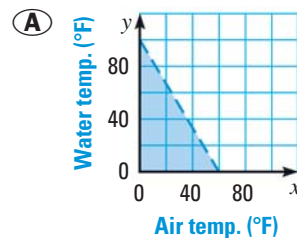
MULTIPLE CHOICE

- FOOD PREPARATION** You and your friends have picked 360 apples at an orchard and plan to use them to create apple pies and applesauce. You use 7 apples to make an apple pie and 5 apples to fill a jar of applesauce. Which inequality can you use to find the possible numbers p of apple pies and jars s of applesauce that you and your friends can make? **TEKS A.7.A**
 - $5p + 7s < 360$
 - $|7p + 5s| \leq 360$
 - $7p + 5s \leq 360$
 - $360 - 7p \leq 5s$
- ELECTION POLL** A poll taken before an election predicts that candidate A will receive 47 percent of the vote with an absolute deviation of at most 4 percent. Which of the following equations can you use to find the minimum and maximum percent of the vote that candidate A is predicted to receive in the election? **TEKS A.1.C**
 - $|47 - 4| = x$
 - $|47 - x| = 4$
 - $|x - 4| = 47$
 - $|47 + x| = 4$
- JOB TRAINING** You are scooping ice cream as part of your training to work at an ice cream shop. The weight of a scoop should be 4 ounces with an absolute deviation of at most 0.5 ounce. Your first 10 scoops have the following weights (in ounces): 3.8, 4.2, 3.9, 4.5, 3.7, 4.6, 4.1, 3.3, 4.3, and 4.2. What percent of your scoops meet the weight requirement? **TEKS A.7.B**
 - 60%
 - 70%
 - 80%
 - 90%
- INVESTING** An investor purchases shares of a stock for \$30 each and will sell them if the absolute deviation of the selling price from the purchase price is at least \$15. Which inequality can you use to find the possible prices y (in dollars) at which the shares will be sold? **TEKS A.7.A**
 - $|y - 15| \geq 30$
 - $|y - 30| \geq 15$
 - $|y - 30| \leq 15$
 - $|y - 15| \leq 30$

- RAFTING** A tour operator requires that river rafters wear protective suits if the following condition applies:

$$\begin{array}{|c|} \hline \text{Water} \\ \hline \text{temperature} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Air} \\ \hline \text{temperature} \\ \hline \end{array} < 100^\circ\text{F}$$

Which graph represents the possible air temperatures x and water temperatures y for which a protective suit is required? **TEKS A.1.D**



GRIDDED ANSWER 0 1 2 3 4 5 6 7 8 9

- PRESENTATION** You will be making a presentation for your history class. Your teacher gives you a time limit of 15 minutes with an absolute deviation of at most 1.5 minutes. What is the minimum duration (in minutes) for your presentation? **TEKS A.7.A**