☆MSTAR
INTERVENTION

Questions for Discussion

1. For what professions is proportionality important? Explain.

   _____

   _____

2. What mathematical ideas that you learned in this course did you see in the video?

   _____

   _____

3. What proportion could you set up to find the time it would take for Van to finish his real race if his test run took him 30 minutes to finish?

4. What proportion could you set up to find the length of the football field in the model if the length of the actual field is 3,600 inches?

5. This is the second time you have watched the video. Is there anything you noticed this time that you did not notice before? Did you think about the information differently? Explain.

   _____

   _____

6. How do you think using proportions will help you in math class? In the real world? Explain.

   _____

   _____

☆MSTAR
INTERVENTION

Answer Key: Questions for Discussion

1. For what professions is proportionality important? Explain.

   Answers will vary.

2. What mathematical ideas that you learned in this course did you see in the video?

   Answers will vary.

3. What proportion could you set up to find the time it would take for Van to finish his real race if his test run took him 30 minutes to finish?

$$\frac{1}{25} = \frac{30 \text{ minutes}}{x \text{ minutes}} \; ; \; \frac{25}{1} = \frac{x \text{ minutes}}{30 \text{ minutes}} \; ; \; \frac{1}{30 \text{ minutes}} = \frac{25}{x \text{ minutes}} \; ; \; \frac{30 \text{ minutes}}{1} = \frac{x \text{ minutes}}{25}$$

4. What proportion could you set up to find the length of the football field in the model if the length of the actual field is 3,600 inches?

$$\frac{1 \text{ model inch}}{1,200 \text{ actual inches}} = \frac{x \text{ model inches}}{3,600 \text{ actual inches}} \; ; \; \frac{1,200 \text{ actual inches}}{1 \text{ model inch}} = \frac{3,600 \text{ actual inches}}{x \text{ model inches}} \; ;$$

$$\frac{1 \text{ model inch}}{x \text{ model inches}} = \frac{1,200 \text{ actual inches}}{3,600 \text{ actual inches}} \; ; \; \frac{x \text{ model inches}}{1 \text{ model inch}} = \frac{3,600 \text{ actual inches}}{1,200 \text{ actual inches}}$$

5. This is the second time you have watched the video. Is there anything you noticed this time that you did not notice before? Did you think about the information differently? Explain.

   Answers will vary.

6. How do you think using proportions will help you in math class? In the real world? Explain.

   Answers will vary.