

# 5.G Always, Sometimes, Never

## Task

Decide whether each of these statements is always, sometimes, or never true. If it is sometimes true, draw and describe a figure for which the statement is true and another figure for which the statement is not true.

- a. A rhombus is a square
- b. A triangle is a parallelogram
- c. A square is a parallelogram
- d. A square is a rhombus
- e. A parallelogram is a rectangle
- f. A trapezoid is a quadrilateral



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# 5.NBT Drawing Pictures to Illustrate Decimal Comparisons

## Task

- a. Which is greater, 0.01 or 0.001? Explain. Draw a picture to illustrate your explanation.
- b. Which is greater, 0.03 or 0.007? Explain. Draw a picture to illustrate your explanation.
- c. Which is greater, 0.025 or 0.052? Explain. Draw a picture to illustrate your explanation.
- d. Which is greater, 0.13 or 0.031? Explain. Draw a picture to illustrate your explanation.
- e. Which is greater, 0.203 or 0.21? Explain. Draw a picture to illustrate your explanation.



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# 6.NS Video Game Credits

## Task

It requires  $\frac{1}{4}$  of a credit to play a video game for one minute.

a. Emma has  $\frac{7}{8}$  credits. Can she play for more or less than one minute? Explain how you know.

b. How long can Emma play the video game with her  $\frac{7}{8}$  credits?



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# 7.RP Molly's Run

## Task

Molly runs  $\frac{1}{3}$  of a mile in 4 minutes.

- If Molly continues at the same speed, how long will it take her to run one mile?
- Draw and label a picture showing why your answer to part (a) makes sense.



7.RP Molly's Run  
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# 7.RP Cider versus Juice - Variation 1

## Task

The price of a gallon of apple cider is \$7.00. The price of eight 4.23-ounce juice boxes is \$2.39.



- Suppose the juice was instead packaged like the cider. Approximately what is the cost per gallon of the juice?
- Suppose the cider was instead packaged like the juice. Approximately what is the cost per eight 4.23-ounce boxes of cider?
- Peter wants to have at least a gallon of either only cider or only juice. Which product is the better deal?
- State the unit rate(s) you used to compare the cost of cider versus juice in your answer to Question c.
- List two or more additional unit rates that could be used to make this comparison.



7.RP Cider versus Juice - Variation 1

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