| Name: | | | | | |
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| Ms. | Na | politano | | | |

| Date: | |
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| Activity: | |

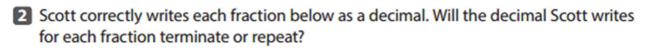
Topic: Terminating and Repeating Decimals EQ: How do we determine terminating and repeating decimals? CCSS: 7.NS.A.2d

Homework

1 Monique makes 18 out of 27 shots in a basketball game.

Which decimal represents the fraction of shots Monique makes?

- A 1.5
- **B** 1.5
- C 0.6
- **D** 0.6



Choose Terminates or Repeats for each fraction.

| a. | 7 15 | Terminates | Repeats |
|------------|----------------|------------|---------|
| b. | <u>3</u> 15 | Terminates | Repeats |
| c . | <u>8</u> 15 | Terminates | Repeats |
| d. | <u>6</u> 15 | Terminates | Repeats |

Camille is taking a quiz on a computer. The computer says her score is 0.625. Which fractions are equivalent to 0.625?

Choose all that apply.

A $\frac{15}{24}$ **B** $\frac{19}{32}$ **C** $\frac{11}{16}$ **D** $\frac{5}{8}$ Jacob uses division to correctly write each fraction below as a decimal.

 $\frac{1}{9}$ $\frac{3}{9}$ $\frac{5}{9}$

Part A

Show how Jacob arrived at his answers. Use division to find the decimal equivalent for each fraction.

Show your work.

Answers: $\frac{1}{9} =$ _____ $\frac{3}{9} =$ _____ $\frac{5}{9} =$ _____

Part B

Jacob sees a pattern in fractions with a denominator of 9. He says he knows by looking at the numerator whether the equivalent decimal will be a repeating decimal.

Write always, sometimes, or never in each blank to correctly complete Jacob's pattern.

For fractions of the form $\frac{n}{\alpha}$, where *n* is a positive integer:

- If n < 9, the decimal equivalent is ______ repeating.
- If n > 9, the decimal equivalent is ______ repeating.
- If n is a multiple of 9, the decimal equivalent is ______ repeating.

Alana needs 4¹/₃ pounds of ground turkey to make a recipe. She has 4.35 pounds of ground turkey. Does Alana have enough ground turkey to make her recipe? Explain your answer.