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Unit 4: Mid-Unit Assessment

Calculators should not be used.

1. Jada made 6 cups of blueberry jam and divided the jam equally among 4 containers. How much jam went in each container?

A. $\frac{2}{3}$ of a cup

B. 1 cup

C. $\frac{3}{2}$ of a cup

D. 24 cups

2. Select **all** the expressions that are greater than 1.

A. $5 \div \frac{9}{10}$

B. $\frac{3}{5} \div 6$

C. $\frac{4}{5} \div \frac{3}{7}$

D. $2\frac{3}{5} \div 1\frac{3}{5}$

E. $\frac{12}{5} \div \frac{13}{5}$

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3. Jada has read $\frac{3}{5}$ of a book. She has read 75 pages so far. How many pages are in the whole book?

- A. 45 pages
- B. 105 pages
- C. 120 pages
- D. 125 pages

4. A recipe for cookies calls for $\frac{2}{3}$ of a cup of sugar per batch. Elena used $5\frac{1}{3}$ cups of sugar to make multiple batches of cookies. How many batches did she make?

5. a. Write a multiplication equation that represents the question: how many $\frac{3}{8}$ s are in $\frac{5}{4}$?

b. Write a division equation that represents the question: how many $\frac{3}{8}$ s are in $\frac{5}{4}$?

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6. What is $\frac{3}{4} \div \frac{1}{8}$? Explain or show your reasoning.

7. a. Tyler used $1\frac{1}{4}$ gallons of paint to paint $\frac{5}{7}$ of a fence. How many gallons will it take to paint the whole fence? Write a multiplication equation or a division equation to represent this question, then find the answer. Show your reasoning.

b. Clare is painting some doors that are all the same size. She used 2 liters of paint to cover $1\frac{3}{5}$ doors. How many liters of paint are needed for 1 door? Draw a diagram to represent the situation, then find the answer.