Name _____   Date _____

Comparing Units of Capacity
NCTM Standards 1, 4, 6, 7, 8, 9, 10

Use estimation to help you compare these capacities. Use <, >, or =.

1 18×16 gallons $\bigcirc$ 19×16 gallons

2 67×8 cups $\bigcirc$ 66×4 pints

3 74×19 liters $\bigcirc$ 74×19 quarts

4 83×4 quarts $\bigcirc$ 87×1 gallon

5 38×27 pints $\bigcirc$ 38×14 quarts

6 22×82 cups $\bigcirc$ 21×22 quarts

Answer the questions.

7 The soccer coach brought 2 gallons of water to the game and the assistant coach brought 1 gallon of fruit juice. The drinks were shared equally among the 24 kids on the team. How many cups could each player have?

_____

8 Before driving 456 miles to grandpa's house, Jen's mom filled the car with gas. The car holds 18 gallons of gas. If the car uses 10 gallons to go 240 miles, will Jen's mom need to fill the car with gas again during the drive? If so, how much more gas will she need? If not, how much will they have left in the tank?

_____

_____

Compare. Use <, >, or =.

9 $\frac{1}{2}$ gallon ◯ 2 pints

10 1.1 gallon ◯ 4 quarts

11 4.5 quarts ◯ $\frac{3}{4}$ gallon

12 $\frac{10}{10}$ pints ◯ 10 cups

13 $\frac{7}{8}$ gallon ◯ 10 cups

14 3 liters ◯ 2 quarts

15 5 cups ◯ $2\frac{1}{2}$ pints

16 4 pints ◯ $3\frac{1}{2}$ liters

17 1.7 liters ◯ 5.07 cups

18 $\frac{3}{4}$ cup ◯ $\frac{3}{4}$ pint

19 7.5 cups ◯ $\frac{6}{12}$ gallon

20 987.5 ml ◯ $\frac{1}{2}$ gallon

21 $\frac{5}{6}$ quart ◯ 0.5 liter

22 24 cups ◯ 1.5 gallons

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23 Challenge Fill in the blanks to make the statements true.

67 × _____ cups = 8 quarts × 67

2.5 pints × 17 = _____ cups × 17

$\frac{1}{2}$ gallon + 2 cups = _____ pints + 1 cup

$\frac{9}{10}$ pint > _____ cups