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# Yogurt

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A food company produces yogurt in half-cup tubs.



$2 \text{ cups} = 1 \text{ pint}$ $2 \text{ pints} = 1 \text{ quart}$ $4 \text{ quarts} = 1 \text{ gallon}$
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1. The tubs of yogurt are sold for 75¢ each.

Twenty percent of this is profit for the food company.

How much profit does the company make on each tub? \_\_\_\_\_

Show your work.

The machine that fills the half-cup tubs with yogurt runs 10 hours a day for 5 days a week. It fills 1600 tubs an hour.

2. How many gallons of yogurt are needed to fill 1600 tubs? \_\_\_\_\_

Show your calculations.

3. How many gallons of yogurt are needed each week? \_\_\_\_\_

Show your work.

4. What is the percent increase in production if the machine runs for 7 days a week instead of 5 days a week? \_\_\_\_\_

Show how you figured it out.