

A food company produces yogurt in half-cup tubs.









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.

15¢

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?

50 gallons

Show your calculations.

732x=1600 x=50

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

2,500 gal. 2

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?

40%

Show how you figured it out.

$$\frac{2}{5} = 0.4$$
 $= 40\%$ 

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A food company produces yogurt in half-cup tubs. | Cup 8 prints = 4 quarts = 1 g allo 1









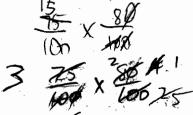
- 2 cups = 1 pint 2 pints = 1 quart
- 4 quarts = 1 gallon

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.



60¢

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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.

800 -16=50 /

50 glas

3. How many gallons of yogurt are needed each week? Show your work.

50 X 10 X 5 = 2500 /

- 2500 gallons
- 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.

 $50 \times 10 \times 7 = 3500$ tics Assessment served. 1000 - 2

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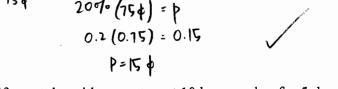


1. The tubs of yogurt are sold for  $75\phi$  each.

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?

2500 gallons

50 gallons

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.



A food company produces yogurt in half-cup tubs.









2 cups = 1 pint2 pints = 1 quart4 quarts = 1 gallon

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.

75.20=15

.15 /

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.

3/15=4·2=8·4=32

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

Show your work.

50.10=500.5= 2500

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.

1000=2500-3500 1001



A food company produces yogurt in half-cup tubs.









2 cups = 1 pint2 pints = 1 quart4 quarts = 1 gallon

1. The tubs of yogurt are sold for  $75\phi$  each.

Twenty percent of this is profit for the food company.

How much profit does the company make on each tub?

Show your work.

1 tub= 1/2 cup

50 gallons

2500 gallons

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.

1600 tubs = 800 cups = 400 pints =

200 quarts = 50 gallons

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

Show your work.

50gal= hr. 50 hr aweek

2500 gallons

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

50gal = hr. \$70 hrs. a week 40% increase

Show how you figured it out.

5days = 2500 gal 7days=3500 gal 1000 = x difference = 1,000 gal 2500 = 100

100,000 = 2,500x

1000 = 25x

CCR 4

40 = X