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.

calculations.

16 cups=1 gal

32 + ubs=1 gal

32 + ubs = 1600 tubs

1 gal

$$x = 1600$$

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

2,500 gal.

Show your work.

32×=80,000

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

days a week?

400%

Show how you figured it out.

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



A food company produces yogurt in half-cup tubs. | (cup & prints = 4 quarts = 1 g allo n)









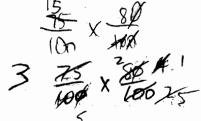
- 2 cups = 1 pint 2 pints = 1 quart
- 4 quarts = 1 gallon

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¢

50 gllons

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

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

2500 gallons

- 50 X 10 X 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.

 $50 \times 10 \times 7 = 3500$ cs Assessment 1000 - 2500Page 3
- 100 QcR

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A food company produces yogurt in half-cup tubs.









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?

154

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?

50 gallons

Show your calculations.

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

2500 gallons

Show your work.

16000 tube 5 days = 80000 tube filled in Sdays

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

days a week?

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40%

Show how you figured it out.

112000 -80000 - 32000



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. o gallons

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

Show your calculations.

2/15=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

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.

1 tub= 1/2 cup

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.

1600 tubs = 800 cups = 400 pints=

200 quarts = 50 gallons

50 gallons

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

Show your work.

50gal = hr. 50 hr aweek

2500gallons

2500 gallons

4. What is the percent increase in production if the machine runs for 7 days a week instead of 5 50gal = hr. & 70 hrs. a week 40% increase days a week?

Show how you figured it out.

$$5 \text{ days} = 2500 \text{ gal}$$
  $7 \text{ days} = 3500 \text{ gal}$   $\frac{1000}{2500} = \frac{x}{100}$  difference = 1,000 gal  $\frac{1000}{2500} = \frac{x}{100}$ 

$$\frac{1000}{2500} = \frac{\times}{100}$$
$$100,000 = 2,500 \times$$

CCR 4