

Multiplying by 10 & 100

Real World

Name: _____

Fruit Drinks

You found a piece of paper in your grandfather's attic with old fruit drink recipes. The recipes have the exact amount of fruit and sugar to make the perfect drink. You decide to start a fruit drink business. You're not selling to people on the street. You're going to sell your drinks in bottles and sell straight to large companies. Do you want to be a millionaire and retire!

Buy all of the fruit and sugar. Use the table to work out of the costs and with the total amount.

Name: _____

"Selling 1 fruit drink at a time is a problem. Selling drinks in packages! Create a flyer or poster to sell around town. Draw the drinks!"

Fruit Drink

Name: _____

Fruit Drink

You got a lot of orders from the companies! The only problem...It's too much for you to make. Hire some of your friends to help.

Write your friends' names and work out how much you're paying them. The first one is done for you. Also, choose 1 friend to give a bonus of \$500. That'll keep everyone working hard!

Name: _____

Fruit Drink

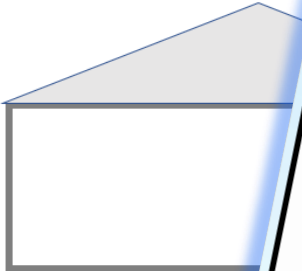
Your friends did an amazing job. All your fruit drinks have been boxed up and you need an order form below to work out how much you made this year.

The first one is done for you.

Drink	Price
Orange	\$7
Apple	\$9
Grape	\$4
Banana	\$12
Pear	\$8
Apple & Orange	\$15
Total Price	

Name: _____

You're so rich! Business has been booming. You've decided to open a store in the city to sell your drinks. Hire a builder to build it for you.



Builder	Price Per Hour
Watties' Construction	\$40
Zack's Building	\$60
Mike Builds 4 You	\$30
Jase's Cheap Builds	\$10
Chosen Builder	

Name: _____

Fruit Drinks

Great news! One of the companies that you sold juice to wants to buy your business for \$1,000,000! They just need you to answer a few questions. Get the questions correct to collect your money and retire a millionaire.

\$\$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$

- If we raise the price of orange juice to \$15 and sell 500, how much money will we make?
- We think your friend who is making \$2 per cup is being underpaid. If we give them a raise to \$6 per cup and they make 450 cups, how much will they earn?
- We want to add watermelon juice next. We were thinking of selling it for \$12 a bottle. If we sell 400 in one month. How much will we make in 3 months?
- We want to hire Peter to make drinks. He has a lot of experience and works quickly. If we pay him \$20 per bottle and he makes 300 bottles a month, what would his yearly salary be?
- If we paid you \$1,000,000. How long would it take us to earn that back if we earned \$100,000 a year?

Print & Go!

Simply print this resource and give it to your students! It's as easy as that.

For my class, I like to print it in A5 size and have 2 sheets per page. They can't move on until they have completed the page.

If I think the questions are challenging for my class, I let them work in groups, but they fill in their own sheet of paper.

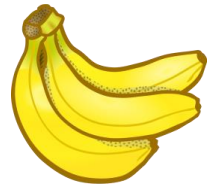
I use the very last page as a summative assessment, but really any of the pages can be used as an assessment. While the class is working, you could do a quick checklist to keep track of who understands how to multiply numbers by 10 and 100.

The idea is that the students have fun with it! If they enjoy it, they're more likely to learn better and remember how to multiply by 10 & 100.

I hope you find it useful!

Name: _____

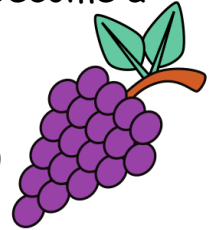
Fruit Drinks



You found a piece of paper in your grandfather's attic with secret fruit drink recipes. The recipes have the exact amount of fruit and sugar needed to make the perfect drink. You decide to start a fruit drink business, only you're not selling to people on the street. You're going put the fruit drinks in bottles and sell straight to large companies. Do your best to become a millionaire and retire!



Buy all of the fruit and sugar. Use the table to work out of the costs and come up with the total amount.



Preview

	Cost per kg	Quantity	Total
Orange	\$8	90	_____
Apple	\$6	120	_____
Grapes	\$4	80	_____
Banana	\$5	110	_____
Pear	\$6	70	_____
Sugar	\$9	120	_____
Total Cost			_____

Name: _____

"Selling 1 fruit drink at a time is for rookies. Sell fruit drinks in packages! Create a flyer and send it to businesses around town. Draw the drinks and do the maths."

Fruit Drinks

Preview

Orange Juice

1 drink = \$7

600 drinks = _____

Apple Juice

1 drink = \$9

900 drinks = _____

Grape Juice

1 drink = \$4

1200 drinks = _____

Banana Juice

1 drink = \$12

600 drinks = _____

Pear Juice

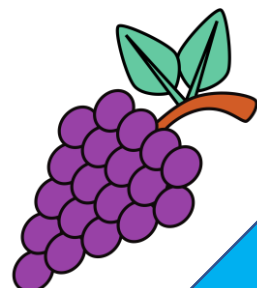
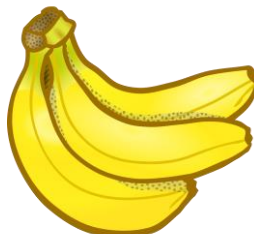
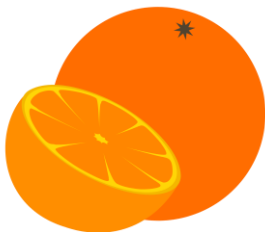
1 drink = \$8

700 drinks = _____

Apple & Orange Juice

1 drink = \$15

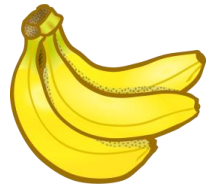
400 drinks = _____



Name: _____



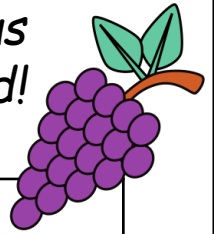
Fruit Drink



You got a lot of orders from the companies! The only problem...It's too much for you to make. Hire some of your friends to help.

Write your friends' names and work out how much you're paying them. The first one is done for you. Also, choose 1 friend to give a bonus of \$500. That'll keep everyone working hard!

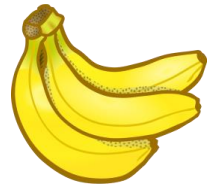
Preview



Friends	Pay Per Bottle	Bottles Made	Pay
_____	\$2	450	\$900
_____	\$12	300	_____
_____	\$11	400	_____
_____	\$4	250	_____
_____	\$8	250	_____
_____	\$9	200	_____
Total Cost _____ Bonus goes to _____			

Name: _____

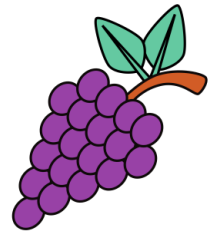
Fruit Drink



Your friends did an amazing job! All of the fruit drinks have been boxed up and sent out. Use the order form below to work out how much profit you made this month!



The first one is done for you.



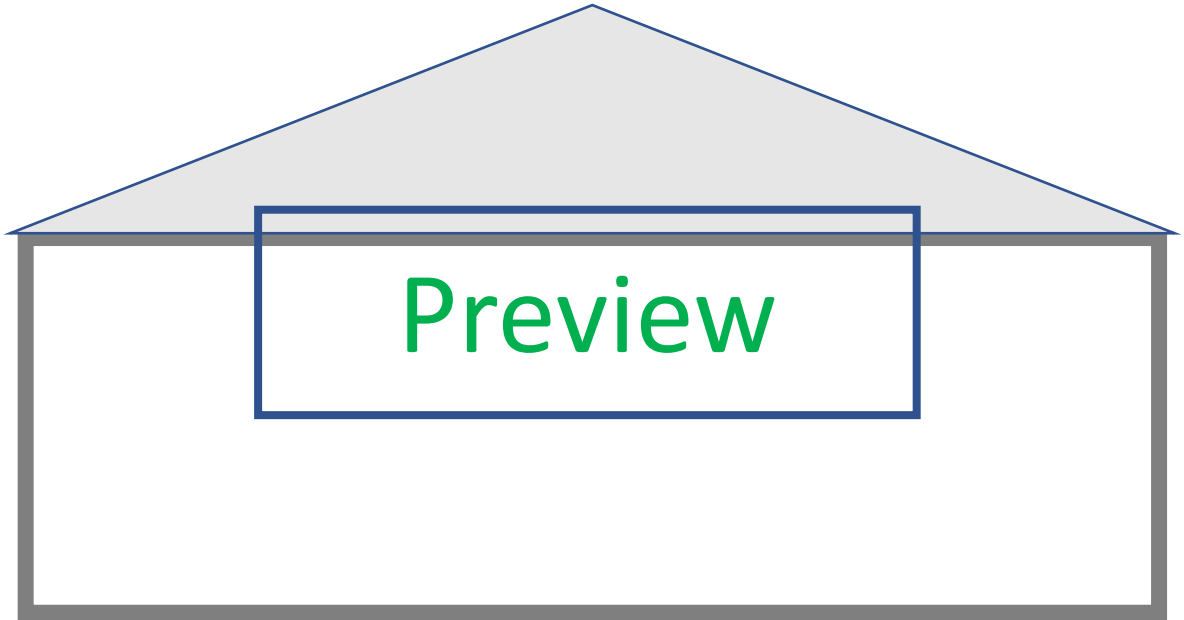
Preview

Drink	Price	Orders	Profit
Orange	\$7	800	\$5600
Apple	\$9	1200	_____
Grape	\$4	700	_____
Banana	\$12	900	_____
Pear	\$8	600	_____
Apple & Orange	\$15	70	_____
Total Profit			_____

Name: _____



You're so rich! Business has been booming, so you decide to open a store in the city to sell your drink drinks. Design the front of your store and then hire the cheapest builder to build it for you.



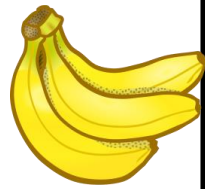
	Price Per Hour	Hours it will take	Cost
Watties' Construction	\$40	25	_____
Zack's Building	\$60	20	_____
Mike Builds 4 You	\$30	45	_____
Jase's Cheap Builds	\$10	125	_____

Chosen Builder _____

Name: _____



Fruit Drinks



Great news! One of the companies that you sold juice to wants to buy your business for \$1,000,000! They just need you to answer a few questions. Get the questions correct to collect your money and retire a millionaire.



1. If we raise the price of orange juice to \$15 and sell 500, how much money will we make?



-
2. We think your friend who is making \$2 per cup is being underpaid. If we give them a raise to \$6 per cup and they make 450 cups, how much will they earn?

-
3. We want to add watermelon juice next. We were thinking of selling it for \$12 a bottle. If we sell 400 in one month. How much will we make in 3 months?

-
4. We want to hire Peter to make drinks. He has a lot of experience and works quickly. If we pay him \$20 per bottle and he makes 300 bottles a month, what would his yearly salary be?

-
5. If we paid you \$1,000,000. How long would it take us to earn that back if we earned \$100,000 a year?
-

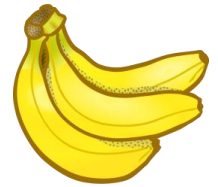
Congratulations! You sold your fruit drink business and now you're a millionaire! Sign below to complete the contract.



Signed: _____ **Date:** _____

Name: _____

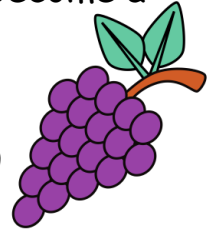
Fruit Drinks



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Buy all of the fruit and sugar. Use the table to work out of the costs and come up with the total amount.



Preview

	Cost per kg	Quantity	Total
Orange	\$8	90	\$720
Apple	\$6	120	\$720
Grapes	\$4	80	\$320
Banana	\$5	110	\$550
Pear	\$6	70	\$430
Sugar	\$9	120	\$1,080
Total Cost			\$3,820

Name: _____

"Selling 1 fruit drink at a time is for rookies. Sell fruit drinks in packages! Create a flyer and send it to businesses around town. Draw the drinks and do the maths."

Fruit Drinks

Preview

Orange Juice

1 drink = \$7

600 drinks = \$4200

Apple Juice

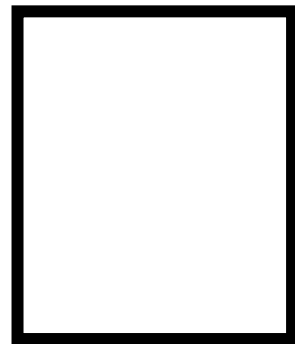
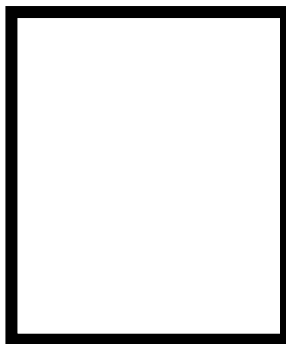
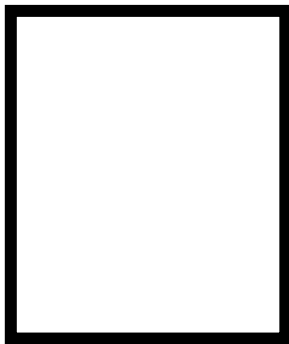
1 drink = \$9

900 drinks = \$8100

Grape Juice

1 drink = \$4

1200 drinks = \$4800



Banana Juice

1 drink = \$12

600 drinks = \$7200

Pear Juice

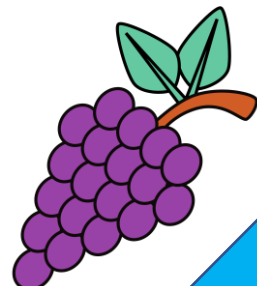
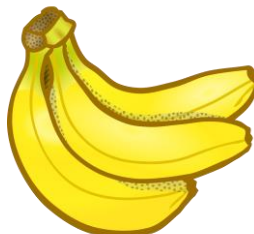
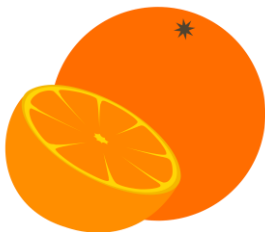
1 drink = \$8

700 drinks = \$5600

Apple & Orange Juice

1 drink = \$15

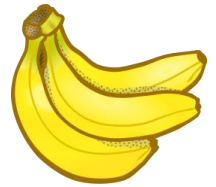
400 drinks = \$6000



Name: _____



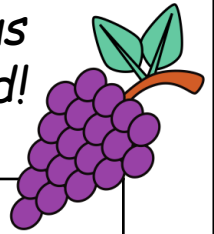
Fruit Drink



You got a lot of orders from the companies! The only problem...It's too much for you to make. Hire some of your friends to help.

Write your friends' names and work out how much you're paying them. The first one is done for you. Also, choose 1 friend to give a bonus of \$500. That'll keep everyone working hard!

Preview



Friends	Pay Per Bottle	Bottles Made	Pay
_____	\$2	450	\$900
_____	\$12	300	\$3,600
_____	\$11	400	\$4,400
_____	\$4	250	\$1,000
_____	\$8	250	\$2,000
_____	\$9	200	\$1,800
Total Cost - \$13,700			

Name: _____

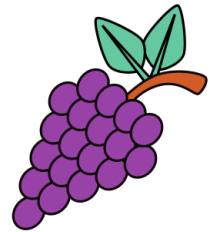
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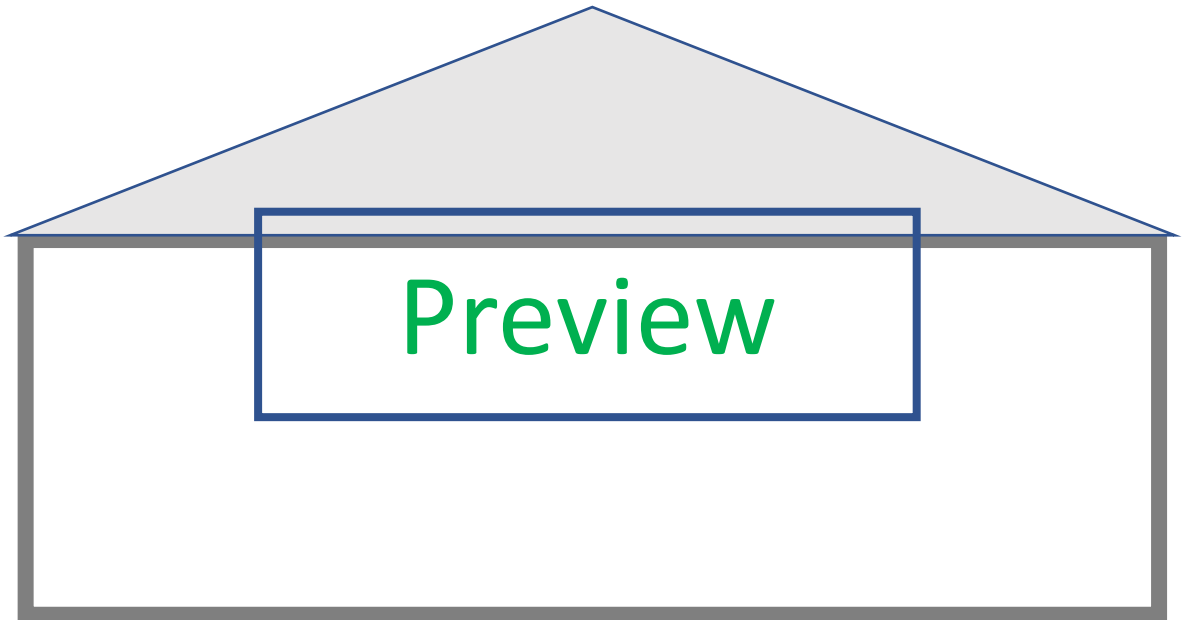
Preview

Drink	Price	Orders	Profit
Orange	\$7	800	\$5,600
Apple	\$9	1200	\$10,800
Grape	\$4	700	\$2,800
Banana	\$12	900	\$10,800
Pear	\$8	600	\$4,800
Apple & Orange	\$15	70	\$1,050
Total Profit - \$35,850			

Name: _____



You're so rich! Business has been booming, so you decide to open a store in the city to sell your drink drinks. Design the front of your store and then hire the cheapest builder to build it for you.



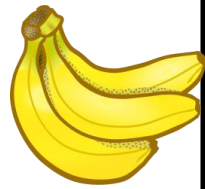
	Price Per Hour	Hours it will take	Cost
Watties' Construction	\$40	25	\$1,000
Zack's Building	\$60	20	\$1,200
Mike Builds 4 You	\$30	45	\$1,350
Jase's Cheap Builds	\$10	125	\$1,250

Chosen Builder - Zack's Building

Name: _____



Fruit Drinks



Great news! One of the companies that you sold juice to wants to buy your business for \$1,000,000! They just need you to answer a few questions. Get the questions correct to collect your money and retire a millionaire.



1. If we raise the price of orange juice to \$15 and sell 500, how much money will we make?

We'll make \$7,500.

2. We think your friend who is making \$2 per cup is being underpaid. If we give them a raise to \$6 per cup and they make 450 cups, how much will they earn?

They will earn \$2,700.

3. We want to add watermelon juice next. We were thinking of selling it for \$12 a bottle. If we sell 400 in one month. How much will we make in 3 months?

We will make \$14,400.

4. We want to hire Peter to make drinks. He has a lot of experience and works quickly. If we pay him \$20 per bottle and he makes 300 bottles a month, what would his yearly salary be?

His yearly salary would be \$72,000.

5. If we paid you \$1,000,000. How long would it take us to earn that back if we earned \$100,000 a year?

It would take 10 years to earn that back.