



4th
Basic

5th
Advanced

Helping With Math

USA
GRADES

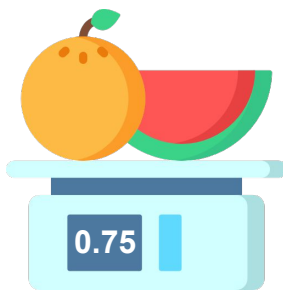
Word Problems Involving Decimals

Suitable for students
aged 8-10



This pack is suitable for learners aged 8-10 years old or 4th and 5th graders (USA). The content covers fact files and relevant basic and advanced activities involving word problems involving decimals.

Hi! I am Shirley. I am a market vendor. Buy some fruits and learn more about decimals.

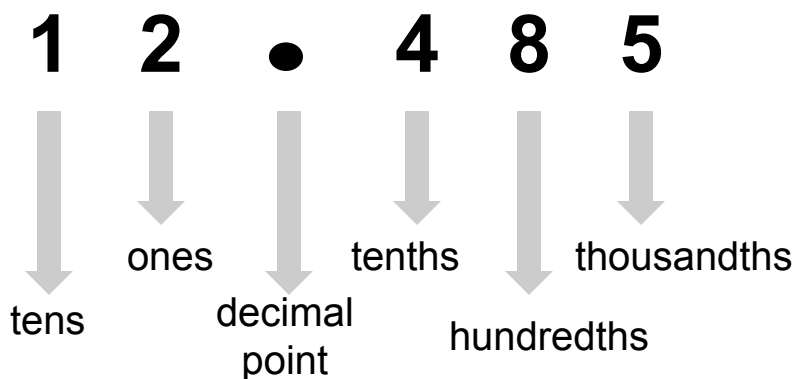


- **Decimal** is one way of writing numbers that have whole and fractional part.
- It contains a decimal point which separates the whole and fractional number



PARTS OF A DECIMAL NUMBER

- A decimal number has two parts; the *whole number* which is located at the left side of the decimal point and the *mantissa* which is located at the right side of the decimal point.
- A decimal number has a decimal point written between the ones and the tenths as we can see below.



Let's try to solve a word problem involving decimals.

Lyka bought 2.5 kilograms of watermelon in the market. She also bought 1.5 kilograms of apple. How many kilograms of fruits did she buy in all?

$$\begin{array}{r} 1 \\ 2.5 \\ + 1.5 \\ \hline 4.0 \end{array}$$

4.0 kilograms of fruits



LET'S PRACTICE!

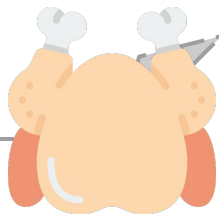
1.) Sab bought 1.2 kilograms of baking soda in the market. If her mother also bought 2 kilograms for her, how many kilograms of baking soda does she have in all?



2.) Wilma needs to buy 3 kilograms of sugar. If each kilogram costs \$1.8, how much money should she pay?



3.) Wilson bought 2.5 kilograms of chicken at the supermarket. If he cooked 1.9 kilograms for dinner, how many kilograms were left?



4.) One kilogram of rice costs \$2.19. What would be the cost of 6 kilograms of rice?

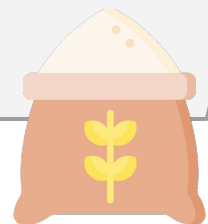


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FRUITS AT THE MARKET

G4
Basic

Get some fruits and veggies for free if you managed to answer the following word problems. Show your solution on the space provided.

1.) Jenny bought 0.8 kg of apple while her sister bought 0.3 kg. How many kilograms did they buy in total?



2.) Shara needs mangoes in making mango graham float. If she already has 0.5 kg of mango and her sister gave her another 0.5 kg, How many kilograms of mango does she have now?



3.) Chris harvested 3.5 kg of corn yesterday and 2.4 kg today. How many kilograms did he harvest in 2 days?



4.) John and Anna went to the market and each of them bought 0.6 kg of banana. How many kilograms do they have in total?



EAT MORE VEGGIES

G4
Basic

Vegetables help us have a healthy body. Have some veggies by answering the following word problems. Show your solution on the space provided.

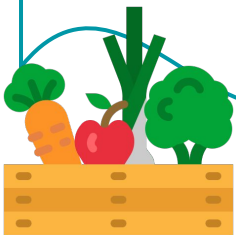
1.) If Joan bought 0.2 kg of eggplants for dinner and her mother also bought 0.3 kg, how many kilograms of eggplant do they have for dinner?

2.) Edlyn is a vegetable vendor. If she sold 6.8 kg of vegetables in the morning and 9.5 kg in the afternoon, how many kg. of vegetable did she sell in all?



3.) Ryan owns a vegetable farm. In the month of June, he harvested a total of 87.9 kg of vegetables. If he harvested 108.6 kg in July, how many kilograms did he harvest in 2 months?

4.) Eric bought 0.3 kg of squash, 1.2 kg of papaya and 0.9 kg of eggplant. How many kilograms of vegetables did he buy in all?



WHAT MEAT DO YOU LIKE?

G4
Basic

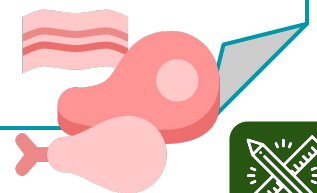
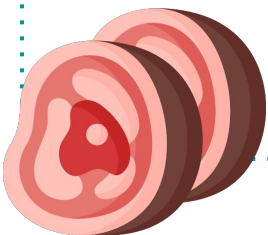
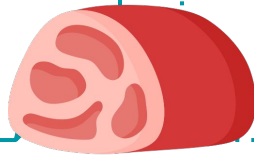
Cook different types of dishes using the meat the you like by answering the following problems. Show your solution on the space provided.

1.) Niana needs 2.5 kg of fish for dinner. If her sister already bought 1.6 kg of fish, how many kilograms of fish does Niana need to buy?

2.) Edgar will cook beef steak for his family. If there's a 4.8-kg of beef in the refrigerator and he will only cook 2.4 kg, how many kilograms of beef will be left in the refrigerator?

3.) Jane cooked chicken adobo for her relatives. If he cooked a total of 3.2 kg of chicken and he gave 1.2 kg to her aunt and 1.4 to her uncle, how many kilogram was left?

4.) Jim bought 8.9 kg of assorted fish from the market and cooked all of it for the fiesta. If 2.1 kg of fish was steamed, 1.5 kg was fried, and the rest were grilled, how many kilogram of fish were grilled?



GROCERY LIST

G4
Basic

List down all the things that you will buy at the supermarket after you answer the following word problems. Show your solution on the space provided.

Things to buy:

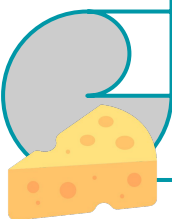


1.) Yna bought 0.5 kg of cheese at the market. She used 0.2 kg to make some pastries. How much cheese was left?

2.) Joshua has \$13.8 in his wallet. If he spent \$10.4 in buying snacks, how much money was left?

3.) Kat bought 2.5 L of soda. If she gave 1.5 L to her brother, how many liters were left?

4.) There are 11.4 kg of chicken meat in the market. In the afternoon, 2.1 kg were left. How many kilograms of chicken meat were sold?



PROMOS AND DISCOUNTS

G4
Basic

Buy the things you need in your kitchen with big discounts and promos. Answer the following word problems. Show your solution on the space provided.

1.) Leni needs to buy cornstarch for her baking activity. If each kilogram costs \$9.8, how much should she pay for 2 kg.?



2.) Jack bought 2.3 kg of brown sugar. If 1.5 kg of it were used by his mother, how many kilograms of sugar were left?

3.) Carl has a total of 3.1 kg of different seasoning. If 1.2 kg is pepper and the rest is garlic powder, how many kilogram is the garlic powder?



4.) Anne harvested 2.6 kg of onion from her mini farm. If she gave 0.5 kg to her aunt and 1.4 kg to her friend, how many kilogram of onion were left?

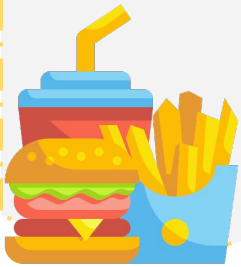


LET'S GO TO THE FOOD COURT

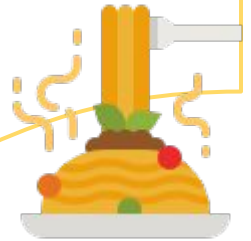
G5
Advanced

Yum! There's a lot of food stand at the food court! You will be allowed to go there once you finished answering the word problems below. Show your solution on the space provided.

1.) Jean needs to buy 10 burgers for her friends. If each burger will cost \$3.81 each, how much will she spend for the burger?



2.) Kim wants to buy some snacks at the food court. The spaghetti costs \$1.94 and the tacos costs \$2.12. If he will buy 2 spaghetti and 1 tacos, how much does he need?



3.) Mr. Smith bought 5 boxes of pizza for his workmates. If each box of pizza costs \$9.55, how much did he pay?

4.) Ms. Terry went to the supermarket and bought 3 banana bread for \$1.82 each and 5 cupcakes for \$1.56 each, how much did she pay in all?



WHAT'S FOR BREAKFAST?

G5
Advanced

Help me decide what to buy in the supermarket for breakfast by answering the following problems. Show your solution on the space provided.

1

Ms. Santos bought 3 packs of sausage and 2 packs of bacon for breakfast. If each pack of sausage costs \$3.21 and each pack of bacon costs \$4.42, how much did Mrs. Santos spend?



2

Linda needs to buy 3 kg of cereals for her relatives. If each kilogram costs \$5.42, how much money does she need?

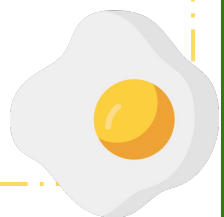


3

Cynthia plans to make pancakes for breakfast. If each pancake requires 10.14 grams of flour, how many grams does she need to make 12 pancakes?

4

Paula wants to cook fried eggs for her nephews and nieces. If one egg costs \$0.25 each and she has 9 nephews and nieces, how much money does she need to buy eggs at the market?

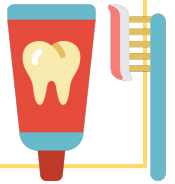


HYGIENE PRODUCTS

G5
Advanced

Can you help me find the hygiene products at the supermarket? Help me by answering the following word problems. Show your solution on the space provided.

1.) If a tube of toothpaste costs \$3.59 each, how many tubes can you buy in \$14.36?



2.) You bought 3 body wash bottles for \$12.36. How much each bottle costs?

3.) Sandra bought some shampoo for the family. If she paid \$10.53 and each bottle of shampoo costs \$3.51, how many bottles of shampoo did she buy?



4.) Manny needs to buy alcohol. If he has \$10.65 and a bottle alcohol costs \$2.13, how many bottles can he buy?

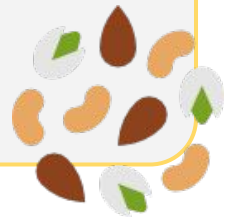


LET'S HAVE SOME SNACKS

G5
Advanced

You will be given free snacks if you managed to answer the following word problems. Show your solution on the space provided.

1.) Mabel bought 6.64 kg of nuts from the supermarket and she divided it into 4 containers. How many kilograms of nuts are in each container?



2.) Giana has \$13 and she plans to buy some cookies that cost \$2.6 each pack. How many packs of cookies can she buy?

3.) Liam has 13.15 kg of dark chocolate to be given to his 5 nieces and nephews. How many kilograms each would get?



4.) If 8 packs of tacos cost \$25.44, how much each pack of tacos costs?



CLEANING PRODUCTS FOR SALE

G5
Advanced

You will be given discounts on some cleaning products if you managed to answer the following problems. Show your solution on the space provided.

1.) Paula is selling her detergent powder for \$2.55 per 0.5 kg. If she sold \$12.75, how many kilograms did she sell?

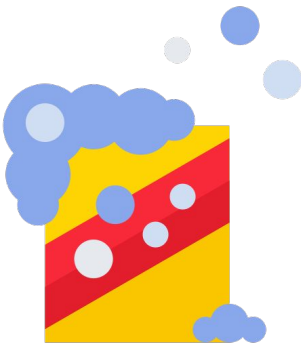
2.) Jane uses 0.75 L of car soap in a week. How many liters does she need for 6 weeks?



3.) Jamie spent 0.35 percent of his salary to buy body wash. If she paid \$175, how much is her salary?

4.) Siony is selling bleach for \$3.25 per bottle. If he sold 20 bottles, how much did he earn?

5.) A box of body soap costs \$2.35. If Rina paid \$14.1, how many boxes of soap did she buy?



ANSWER GUIDE

Activity 1

1.) $0.8 + 0.3 = 1.1 \text{ kg}$

3.) $3.5 + 2.4 = 5.9 \text{ kg}$

2.) $0.5 + 0.5 = 1.0 \text{ kg}$

4.) $0.6 + 0.6 = 1.2 \text{ kg}$

Activity 2

1.) $0.2 + 0.3 = 0.5 \text{ kg}$

3.) $87.9 + 108.6 = 196.5 \text{ kg}$

2.) $6.8 + 9.5 = 16.3 \text{ kg}$

4.) $0.3 + 1.2 + 0.9 = 2.4 \text{ kg}$

Activity 3

1.) $2.5 - 1.6 = 0.9 \text{ kg}$

3.) $3.2 - 1.2 - 1.4 = 0.6 \text{ kg}$

2.) $4.8 - 2.4 = 2.4 \text{ kg}$

4.) $8.9 - 2.1 - 1.5 = 5.3 \text{ kg}$

Activity 4

1.) $0.5 - 0.2 = 0.3 \text{ kg}$

3.) $2.5 - 1.5 = 1.0 \text{ L}$

2.) $13.8 - 10.4 = \$3.4$

4.) $11.4 - 2.1 = 9.3 \text{ kg}$

Activity 5

1.) $9.8 \times 2 = \$19.6$

3.) $3.1 - 1.2 = 1.9 \text{ kg}$

2.) $2.3 - 1.8 = 0.5 \text{ kg}$

4.) $2.6 - 0.5 - 1.4 = 0.7 \text{ kg}$

Activity 5

1.) $3.81 \times 10 = \$38.1$

3.) $9.55 \times 5 = \$47.75$

2.) $(1.94 \times 2) + (2.12 \times 1)$
 $= \$6$

4.) $(3 \times 1.82) + (5 \times 1.56) = 13.56$



ANSWER GUIDE

Activity 7

- 1.) $(3 \times 3.21) + (2 \times 4.42) = \18.47 3.) $10.14 \text{ g} \times 12 = 121.68 \text{ g}$
2.) $3 \times 5.42 = \$16.26$ 4.) $0.25 \times 9 = \$2.25$

Activity 8

- 1.) $14.36 \div 3.59 = 4 \text{ tubes}$ 3.) $11.64 \div 3.51 = 3 \text{ bottles}$
2.) $12.36 \div 3 = \$4.12$ 4.) $10.65 \div 2.13 = 5 \text{ bottles}$

Activity 9

- 1.) $6.64 \div 4 = .66 \text{ kg}$ 3.) $13.15 \div 5 = 2.63 \text{ kg}$
2.) $13 \div 2.6 = 5 \text{ packs}$ 4.) $25.44 \div 8 = \$3.18$

Activity 10

- 1.) $12.75 \div 2.55 = 5$ 3.) Let a be Jamie's salary
 $5 \times 0.5 = 2.5 \text{ kg}$ $0.35a = \$175$; $a = 175 \div 0.35$
2.) $0.75 \times 6 = 4.5 \text{ liters}$ $a = \$500$
4.) $3.25 \times 20 = \$65$



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