5th Basic

6th Advanced

Helping With Math

USA GRADES

Multiplication of Decimals

Suitable for students **aged 9-11**

This pack is suitable for learners aged 9-11 years old or 5th to 6th graders (USA). The content covers fact files and relevant basic and advanced activities involving multiplication of decimals.

Key Concepts:

- A decimal number refer to a number whose whole number part and the fractional part is separated by a decimal point.
- In multiplying decimals, here are the steps to follow:
  - Multiply the decimals like whole numbers.
  - Count the number of the decimal places.
  - Put the same number of places after the decimal point of the product.

What is the product of 22. 69 and 4. 19? Is it less than or greater than 100?

ILLUSTRATIVE EXAMPLES

Find the product of the following decimals.

1) $\begin{array}{r} 7.48 \\ \times \quad .3 \\ \hline \end{array}$

2) $\begin{array}{r} 12.39 \\ \times \quad .11 \\ \hline \end{array}$

3) $\begin{array}{r} 1.39 \\ \times \quad .204 \\ \hline \end{array}$

Solutions:

1) $\begin{array}{r} 7.48 \\ \times \quad .3 \\ \hline 2.244 \end{array}$

Explanation:

If you will treat the given as whole numbers, the answer will be 2244. But since we are dealing with decimals, the number of decimal places of multiplicand and multiplier is important. The first has two decimals places while the second has one. Thus, there is a total of three decimals places. The final product is 2.244.

2) $\begin{array}{r} 12.39 \\ \times \quad .11 \\ \hline 1239 \\ 1239 \\ \hline 1.3629 \end{array}$

3) $\begin{array}{r} 1.39 \\ \times \quad .204 \\ \hline \end{array}$

This is for your independent practice

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MY TEACHER, MY HERO

G5
Basic

As we celebrate World Teachers' Day, let us give thanks to our teachers who are considered as modern heroes by finding the product of these decimals.

1. What is the product of 0.25 and 0.4?

2. What is the product of 0.62 and 0.2?

3. What is the product of 0.8 and 0.7?

4. What is the product of 0.2 and 0.13?

APPRECIATION DAY FOR TEACHER ANA

G5 Basic

Show your appreciation for Teacher Ana because she is your favorite teacher. Are the following statements TRUE or FALSE?

_____ 1. The product of 0.24 and 1.5 is less than 1.

Solution:

_____ 2. The result of 3.2 x 1.3 is greater than 4.

Solution:

_____ 3. The product of 5.12 and 0.5 is less than 3.

Solution:

_____ 4. The result of 9.7 x 2.1 is greater than 20.

Solution:

MATH HOMEWORK

G5 Basic

Your math teacher gives a homework for you to accomplish. Solve the following exercises to complete your task.

1) $1.37 \times .3$

2) $3.71 \times .4$

3) $5.12 \times .5$

4) $7.03 \times .6$

5) $9.10 \times .7$

6) $9.13 \times .8$

FLAG CEREMONY

G5 Basic

Make sure to attend the flag ceremony this morning. Find the product of these numbers and encircle the letter of your answer.

1. The product of 11.5 and 2.1.

A. 24. 15

B. 25. 14

C. 26. 15

2. The product of 15.8 and 7.2.

A. 112.16

B. 114.26

C. 113.76

3. The product of 19.7 and 3.9.

A. 89.85

B. 76.83

C. 90.83

SAVED BY THE BELL

G5 Basic

Make sure to solve these word problems before the bell rang.

1. A math book weighs 1.85 lbs. If there are 30 pieces of it in the library, Find the books' total weight.

2. Mark can answer a 25-item quiz in 0.48 hours. Paul can do the same in 0.72 hours. Calculate their total time if they answer a 100-item quiz.

3. Teacher Belle can check 15 school projects in 0.59 hrs. If she has a total of 75 school projects to check, how long can she accomplished it?

GIFTS FOR SIR REYNOLD

G6 Advanced

Here are the gifts for Sir Reynold in line with the celebration of World Teachers' Day. Solve the following problem below and select the letter of your answer among the gifts below.

1) $10.2 \times .10$

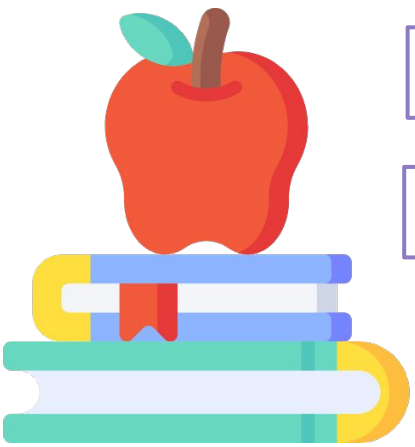
2) $15.8 \times .16$

3) $17.9 \times .12$

4) $20.4 \times .07$

5) $22.2 \times .03$

6) $26.1 \times .09$



A. 1.02

B. 14.28

C. 1.02

D. 2.528

E. 2.148

F. 2.349

G. 1.02

H. 0.666

SCHOOL CELEBRATION

G6 Advanced

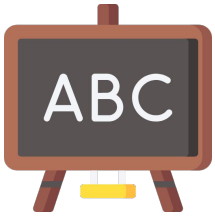
Hooray for a a school celebration for World Teachers' Day! Enjoy the mini program and these amazing booths while solving these problems involving decimals.

1. 30. 73 x 1.32 =

2. 32. 06 x 0.19 =

3. 35. 21 x 2.17 =

4. 38. 11 x 1.58 =



5. 31. 11 x 1.11 =

6. 32. 88 x 3.03 =

7. 33. 01 x 1.01 =

MY FAVORITE TEACHER

G6 Advanced

Make an interview of your favorite teacher. Ask him/her questions related to his/her work. A table is given below to guide you with the information needed.

Note: Make sure that the numbers involved are decimal numbers or whole numbers.

Activity	Minutes per day	Total no. of minutes in a week
1. Preparation of the lesson		
2. Checking of students' outputs		
3. Faculty/School Meeting		
4. Consultation with students		
5. Other academic works		

ZOOM MEETING CODE

G6 Advanced

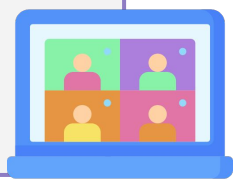
Determine the Zoom meeting code of this online meeting using the tenths digit of the products.

1. The product of 84.45 and 15.50

2. The product of 0.0356 and 0.88

3. The product of 1.072 and 0.937

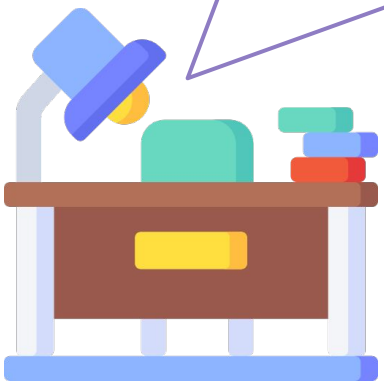
4. The product of 100.21 and 6.21



LETTER FOR MY TEACHER

G6
Advanced

In line with the celebration of the World Teachers' Day, write a letter to your math teacher about how this lesson is useful in your daily living.



ANSWER GUIDE

Activity 1

1. 0.1 2. 0.124 3. 0.56 4. 0.026

Activity 2

1. TRUE 2. TRUE 3. TRUE 4. TRUE

Activity 3

1. 0.411 2. 1.484 3. 2.56 4. 4.218 5. 6.37 6. 7.304

Activity 4

1. A 2. C 3. B

Activity 5

1. 55.5 lbs
2. Mark can answer it in 1.92 hours while Paul can do it in 2.88 hours.
3. 2.95 hours

Activity 6

1. A 2. D 3. E 4. B 5. H 6. F

ANSWER GUIDE

Activity 7

1. 40.5636	2. 6.0914	3. 76.4057
4. 60.2138	5. 34.5321	6. 33.3401

Activity 8

Answers may vary.

Activity 9

1. 1308.975	2. 0.031328
3. 1.004464	4. 622.3041

Zoom meeting code: 9003

Activity 10

Answers may vary.

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