



Mathematics 4 Microlearning Module

QUARTER 2 – Module 2

Estimating Products





REGION XII - DIVISION OF SULTAN KUDARAT

Mathematics 4 Microlearning Module (MLM) Quarter 2 – Module 2: Estimating Products First Edition, 2024

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Published by the Department of Education- RO XII, Division of Sultan Kudarat

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Printed in the Philippines by

Department of Education – Region XII, Division of Sultan Kudarat

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MICROLEARNING MODULE

Name:	Grade & Sec: Score	:			
Subject:	Quarter: 2MLM No.:	2			
Teacher:					
Competency:	Estimate the result of multiplying two-digit numbers where the product is less than 1 000 000				

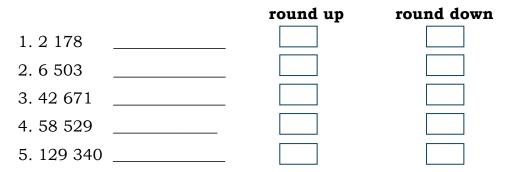
A. Look Back!

Direction. Match column A with column B. Write your answer in the blank.

Α	В
1.) 3 167 x 12	a. 9 072
2.) 3 465 x 32	b. 418 608
3.) 4 254 x 65	c. 110 880
4.) 378 x 24	d. 38 004
5.) 8 721 x 48	e. 276 510

B. What's New?

Directions. Round off each number to its largest place value. Write the answer in the space provided. Tick the box if the answer is rounded up or rounded down.

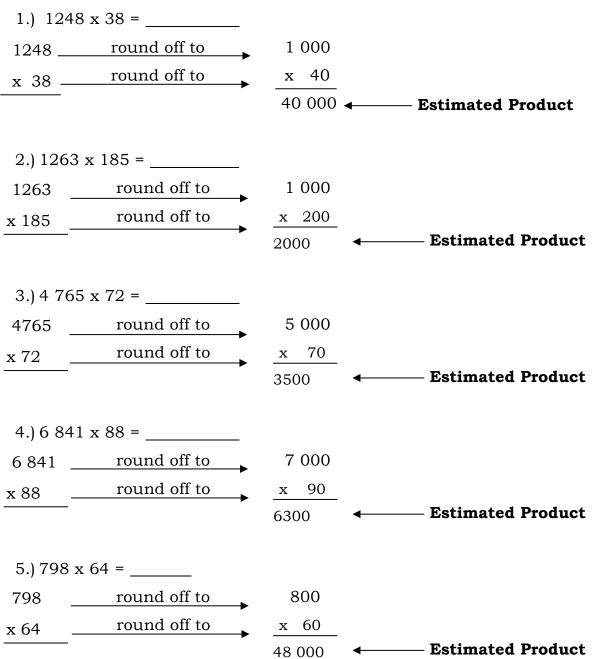


In rounding off numbers to any given place, look at the digit to the right of the rounding place. Round up when the digit to the right is 5 or more, and round down when the digit is less than 5.

C. What Is It?

To estimate the product, round off the factors to their greatest place value. Then multiply the rounded–off factors.

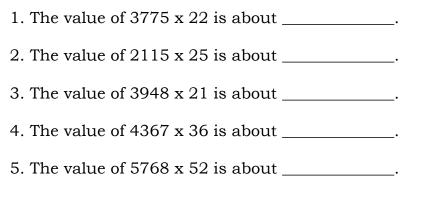
Study these examples.



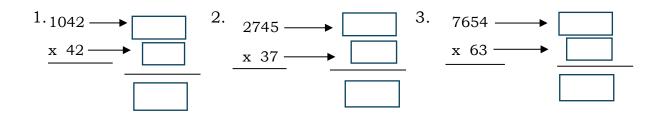
Multiply the actual factors to see if each estimated product is reasonable.

D. Let's Try!

A. Complete each sentence by writing your answer in the blank.

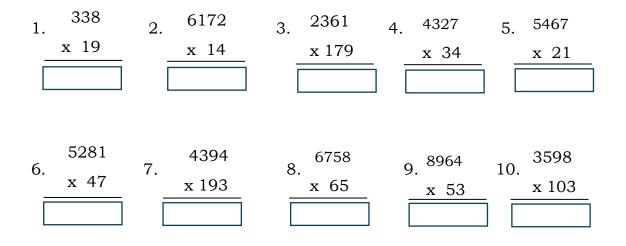


B. Write the rounded-off value of each factor in the box. Then, write the estimated product.



E. Let's Evaluate

A. Write the estimated product of the following:



Challenge!

Direction. Analyze and solve each word problem.

1. Mang Nestor packs 60 boxes of mangoes to export. There are 84 mangoes in each box. About how many mangoes does Mang Nestor pack in all?

2. Jane bought 87 packs of cookies. Each pack has 32 cookies. About how many cookies Jane bought?

3. If a book contains 187 pages, how many pages are there in 5 books?

F. Reference

Creag, Herminia C. 2022. Real–Life Mathematics 4 Second Edition. Quezon City, Philippines: ABIVA Publishing House, Inc.

DISCLAIMER

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Math 4 Quarter 2, Module 2

A. Look Back!

- 1. d
- 2. c
- 3.е 4.а
- 4. a 5. b

B. What's New?

- 1. 2 000 round down
- 2. 7 000 round up
- 3. 40 000 round down
- 4. 60 000 round up
- 5. 100 000 round down

D. Let's try!

Α.

1.80 000	4. 160 000
2.60 000	5. 300 000
3.80000	

В.

1.	1	000	x 40 = 40 000
2.	3	000	x 40 = 120 000
3.	8	000	x 60 = 480 000

E. Let's evaluate

1.6000	6. 250 000
2.60 000	7.800000
3. 400 000	8. 490 000
4. 120 000	9.450000
5. 100 000	10. 400 000

Challenge!

- 1. 480 mangoes
- 2. 270 cookies
- 3. 1 000 pages