

Study the following.

estimate (the noun) (ess-ti-muht) – a rough guess of an answer. (The estimate of 49 plus 49 is 100.)

estimate (the verb) (ess-ti-mate) – the action of finding the rough guess of an answer. (I estimated how much money it would cost for my groceries.)

Say each word out loud and write it in the blank.

estimate (noun) _____

estimate (verb) _____

Write each definition in your own words.

estimate (the noun)

estimate (the verb)

Write two sentences for each word.

estimate (the noun or thing)

1.

2.

estimate (the verb or action word)

1.

2.

Study the following.

Estimation is usually done by rounding numbers and then doing the math problem.

Example: estimate $303 + 490$

First round 303 to 300 and round 490 to 500.

Then add $300 + 500$. $300 + 500 = 800$

So 800 is an estimate of $303 + 490$.

Example: estimate 19×4

Round the 19 to a 20

Multiply 20×4 . $20 \times 4 = 80$.

Or you could round 19 to 20, and round 4 to 5. $20 \times 5 = 100$.

Estimate

1. $392 - 202$
2. 98×6
3. $43 + 121$

Study the following.

Sometimes the instructions will tell you what place to round the numbers to before doing the math problem.

Example: round to the nearest hundred before adding.

$581 + 306$

rounding gives $600 + 300$ and $600 + 300 = 900$

Round to the nearest hundred and then subtract.

1. $772 - 98 =$
2. $610 - 383 =$
3. $1390 - 715 =$

Study the following.

Other times you round to the place that makes the math problem easy.

Example: 24×3

Round the 24 to 25, and then multiply. $25 \times 3 = 75$

Example: $101 + 62 + 39$

Round 101 to 100, round 62 to 60, round 39 to 40.
 $100 + 60 + 40 = 200$

Estimate the answers.

1. $203 \times 9 =$
2. $2512 + 298 =$
3. $102 \div 19 =$

Study the following.

You want to go to a burger place. Burgers are \$2.60, fries are \$1.10, sodas are \$1.50.

You need to know how much money to ask mom for.

You can round all the amounts up to the next highest dollar, and then add.
 $\$3.00 + \$2.00 + \$2.00 = \7.00

If you ask mom for \$7.00 you know you have plenty to cover food and sales tax.

Review.

Estimate by first rounding to the nearest ten.

1. $42 + 19$
2. $83 - 47$
3. $128 + 39$

Estimate by first rounding to the nearest hundred.

4. $886 + 319 =$
5. $5621 + 820 =$
6. $721 - 279 =$

Estimate by rounding to whatever makes the problem easy.

7. $11 \times 23 =$
8. $99 \times 5 =$
9. $258 \times 2 =$

Estimate by rounding up to the nearest dollar so you are sure to have enough money to buy the items.

10. sub \$3.90, chips \$.50, juice \$1.25
11. fish sandwich \$2.95, soda \$1.25, pie slice \$2.50
12. veggie burger \$4.15, juice \$2.25, cookie \$.75

Find the average of the following.

13. 2, 6, 10, 14
14. 1, 1, 2, 3, 4, 7