

# ESTIMATING 1

Numbers with more than two digits can be taken apart to create estimates. Sometimes it is easier to work with estimates rather than the exact number. For example: 42 is 40 and 2. The skill of estimating is very helpful in many ways.

Therefore, the term estimate refers to a number that is the best approximation for an exact number in a given context. Always read your questions carefully to make sure it is asking you for an exact number or estimation. Here are some exercises to help you develop your estimation skills.

Practice

Example of estimating:

Estimate:  $438 \times 62$ . You might round off to the nearest 10. Use:  $450 \times 60$ .

1. Timothy is buying some sweets for Halloween.

**Timothy wants:**

| <b>Quantity</b> |                                                                                     | <b>Price for each</b> |
|-----------------|-------------------------------------------------------------------------------------|-----------------------|
| <b>20</b>       |  | <b>12 cents</b>       |
| <b>20</b>       |  | <b>12 cents</b>       |
| <b>30</b>       |  | <b>18 cents</b>       |
| <b>15</b>       |  | <b>75 cents</b>       |
| <b>3 pounds</b> |  | <b>95 cents</b>       |

Help Timothy estimate the amount of money he should have with him to the grocery store.

Estimate the prices to the nearest tens or hundreds.

| Quantity | Estimated price | Total estimated price |
|----------|-----------------|-----------------------|
|          |                 |                       |
|          |                 |                       |
|          |                 |                       |
|          |                 |                       |
|          |                 |                       |
|          |                 |                       |

Answer: Estimated price of candies are \_\_\_\_\_ cents.

2. Alan and Brice are sailing the Caribbean. They first sailed to Tobago, 83 miles, and then to Barbados, 251 km, and finally to Dominica, 316 km. Estimate (by rounding to the nearest ten) the kilometers they sailed.

| Destination | MILES | ESTIMATED MILES |
|-------------|-------|-----------------|
| Tobago      |       |                 |
| Barbados    |       |                 |
| Dominica    |       |                 |
| TOTAL       |       |                 |

Answer: About \_\_\_\_\_ km

3. Mrs. Periwinkle planted 63 marigolds in her garden by weekend. If she is able to plant the same amount every week for the next 6 weeks. Estimate the amount of marigolds Mrs. Periwinkle planted?

Estimate to the nearest 10.

Answer: Mrs. Periwinkle planted about \_\_\_\_\_ marigolds.

4. There are 100 cars in a car park. By midday, 18 cars leave, by 6 o'clock 21 cars leave, and by 10 o'clock 39 cars leave. Estimate the amount of cars that left the car park and the amount of cars still in the car park.

Answer = \_\_\_\_\_