

NS3-72 Estimating

REMINDER ▶ To round to the nearest ten, look at the ones digit.

Round down if the ones digit is 1, 2, 3, or 4.

Round up if the ones digit is 5, 6, 7, 8, or 9.

Examples: 84 rounds to 80. 27 rounds to 30.

1. Round to the nearest ten.

a) 14

b) 28

c) 72

d) 39

e) 17

f) 45

2. Round to the nearest ten, then add or subtract.

a)
$$\begin{array}{r} 52 \rightarrow \\ + 34 \rightarrow \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ 30 \\ \hline 80 \end{array}$$

b)
$$\begin{array}{r} 19 \rightarrow \\ + 65 \rightarrow \\ \hline \end{array}$$

$$\begin{array}{r} \\ \\ \hline \end{array}$$

c)
$$\begin{array}{r} 47 \rightarrow \\ - 34 \rightarrow \\ \hline \end{array}$$

$$\begin{array}{r} \\ \\ \hline \end{array}$$

When you round numbers to the nearest ten and then calculate, you **estimate** the answer.

3. Estimate by rounding each number to the nearest ten.

a) $32 + 28$

b) $74 - 33$

c) $39 + 25$

$30 + 30 = 60$

d) $59 - 41$

e) $37 + 28$

f) $68 - 29$

BONUS ▶

g) $23 + 37 + 17$

h) $59 - 21 + 48$

i) $48 - 21 - 12$

4. Students collected donated coats. Round each number to the nearest ten. Add to estimate the answer.
- Cody collected 34 coats and Ava collected 23 coats. How many coats did they collect altogether?
 - Shelly collected 86 coats and Jin collected 18 coats. How many coats did they collect altogether?

5. Students collected books to raise money for charity. Round each number to the nearest ten to estimate the difference between the numbers collected.



- Nina collected 58 books. David collected 43 books.
- Marcel collected 84 books. Alexa collected 72 books.

6. Kathy brought 46 muffins to school for a bake sale. Josh brought 37 muffins. Estimate the total number of muffins by rounding each number to the nearest ten.

7. There are 76 cars parked in the front parking lot of the arena. There are 39 cars parked in the rear parking lot. Round each number to the nearest ten to estimate how many more cars are parked in the front parking lot than in the rear parking lot.

8. During a food drive, Sandy's class brought in the number of cans shown in the table. Round each number to the nearest ten to estimate the total number of cans brought in for the week.

Monday	Tuesday	Wednesday	Thursday	Friday
19	21	11	28	14

9. Eddy's father travels a total of 19 km each weekday to go to work and return home. Estimate the total distance he travels from Monday to Friday using addition.

BONUS ► Use multiplication to estimate the total distance he travels in a week.