

# Worksheet: Estimating Differences between Three-Digit Numbers: Rounding



**Q1:** Which number is nearest to  $489 - 162$ ?

A 400

B 300

C 500

**Q2:** Which number is nearest to  $400 - 133$ ?

A 100

B 300

C 200

**Q3:** Which number is nearest to  $651 - 241$ ?

A 300

B 400

C 500

**Q4:** Which number is nearest to  $325 - 203$ ?

A 200

B 100

C 300

**Q5:** Which number is nearest to  $381 - 162$ ?

A 100

B 200

C 300

**Q6:** Which number is nearest to  $553 - 122$ ?

A 300

B 400

C 500

**Q7:** Which number is nearest to  $356 - 193$ ?

A 100

B 200

C 300

**Q8:** Ethan has to deliver mail to 415 houses. He delivered it to 82 houses in one street and 107 houses in another.





► Round the numbers in this calculation to the nearest hundred.

		8	3	5
	-	3	5	1
<hr/>				

A

		8	4	0
	-	3	5	0
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B

		8	4	0
	-	3	6	0
<hr/>				

C

		8	3	0
	-	3	6	0
<hr/>				

D

		8	3	0
	-	3	5	0
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► Calculate the estimate.

A 470

B 480

C 500

D 490

**Q10:** Look at how Victoria rounded to estimate this difference.

$$\begin{array}{r} 432 \\ - 279 \\ \hline \end{array} \quad \begin{array}{c} \xrightarrow{\text{Nearest hundred}} \\ \xrightarrow{\text{Nearest hundred}} \end{array} \quad \begin{array}{r} 400 \\ - 300 \\ \hline 100 \end{array}$$



Question Video

► Round the numbers in this calculation to the nearest hundred.

$$\begin{array}{r} 372 \\ - 211 \\ \hline \end{array}$$

A

$$\begin{array}{r} 400 \\ - 200 \\ \hline \end{array}$$

B

$$\begin{array}{r} 400 \\ - 300 \\ \hline \end{array}$$

C

$$\begin{array}{r} 300 \\ - 200 \\ \hline \end{array}$$

D

$$\begin{array}{r} 300 \\ - 300 \\ \hline \end{array}$$



► Estimate  $525 - 389$  by rounding both numbers first to the nearest hundred.

A 200

B 100

C 400

D 300

**Q12:** Look at how Amelia estimated this difference.

Estimate	3	9	1	-	1	6	7													
First, round																				
	3	9	1	→	3	9	0													
	1	6	7	→	1	7	0													
Then, calculate																				
	3	9	0	-	1	7	0	=	2	2	0									

Estimate these differences by rounding to the nearest ten.

► Estimate  $528 - 263$  by rounding both numbers first to the nearest ten.

A 280

B 260

C 270

D 250



► Estimate  $752 - 178$  by rounding both numbers first to the nearest ten.

- A 590
- B 560
- C 570
- D 580

**Q13:** Look at this calculation.

		7	1	5	
		-	3	2	6

► Estimate the answer by rounding both numbers to the nearest hundred.

- A 400
- B 300
- C 500
- D 200

► Estimate the answer by rounding both numbers to the nearest ten.

A 390

B 380

C 400

D 370

► Calculate the exact answer.

*Tip* : Use the estimates to see if your answer is sensible.

A 389

B 353

C 425

D 393

**Q14:** Chloe and Benjamin are going on vacation. Chloe has to travel 223 miles, while Benjamin has to travel 517 miles.

► Which calculation do you need to solve to figure out how many more miles Benjamin has to travel than Chloe?

A  $571 + 223$

B  $517 - 223$

C  $517 + 223$

D  $571 - 223$

► Estimate the answer by rounding both numbers to the nearest hundred.

A 800

B 300

C 700

D 400

► Estimate the answer by rounding both numbers to the nearest ten.

A 310

B 300

C 290

D 280

► Find the exact answer.

*Tip: Use the estimates to see if your answer is sensible.*

A 740

B 294

C 348

D 339