Name & Surname: _____ Class: _____ Date: _____

Rounding to 10 and 100

Use place value to round like a pro

About 35 minutes Level ★★★☆☆

Rounding to 10 and 100

Rounding makes a number simpler but still close to its real value. We use **place value** to decide.

- To round to the **nearest 10**, look at the ones digit. If it is 0-4, round down. If it is 5-9, round up.
- To round to the **nearest 100**, look at the tens digit. If it is 0-4, round down. If it is 5-9, round up.
- Worked example: 47 has ones digit 7, so it rounds up to 50. 348 has tens digit 4, so it rounds down to 300.

Task A

/4

Write each digit in its place-value chart. Circle the digit you look at to round.

Number	Hundreds	Tens	Ones
247			
365			
482			
550			

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Practice Makes Perfect

Practice rounding to the nearest 10 and 100.

Task B /10

Round each number using place value. Show your thinking.

WARM UP

1. Round 34 to the **nearest 10**.

Answer: _____

2. Round 47 to the **nearest 10**.

Answer: _____

3. Round 65 to the **nearest 10**.

Answer: _____

4. Round 82 to the **nearest 10**.

Answer: _____

PRACTICE

5. Round 238 to the **nearest 100**.

Answer: _____

6. Round 371 to the **nearest 100**.

Answer: _____

7. Round 450 to the **nearest 100**.

Answer: _____

PROBLEM SOLVING

8. A bus has 56 riders. Round the riders to the **nearest 10**.

Answer: _____

9. A box has 286 stickers. Round the stickers to the **nearest 100**.

Answer: _____

10. Explain how you know whether 274 rounds to 270 or 280 when rounding to the **nearest 10**.

Answer: _____

Key words

round: to make a number simpler but close

nearest 100: the closest hundred, like 300 or 400

round down: stay at the same ten or hundred

nearest 10: the closest ten, like 30 or 40

place value: what each digit is worth by its place

round up: go to the next ten or hundred

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Find the Mistake

Spot the wrong step and fix the rounding.

Task C /4

Find the wrong step in each rounding work. Explain and fix it.



Student A

Round 45 to the **nearest 10**.

1. Round 45 to the nearest 10
2. Ones digit 5 means round down to 40
3. So the answer is 40

The mistake is in step: _____

What went wrong?

.....

Correct answer: _____



Student B

Round 349 to the **nearest 100**.

1. Round 349 to the nearest 100
2. Tens digit 4 means round up to 400
3. So the answer is 400

The mistake is in step: _____

What went wrong?

.....

Correct answer: _____

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Round and Solve

Try harder rounding and use it in stories.

Task D /10

Round each number using place value. Think tens or hundreds first.

WARM UP

1. Round 21 to the **nearest 10**.

Answer: _____

2. Round 58 to the **nearest 10**.

Answer: _____

3. Round 95 to the **nearest 10**.

Answer: _____

4. Round 73 to the **nearest 10**.

Answer: _____

PRACTICE

5. Round 129 to the **nearest 100**.

Answer: _____

6. Round 468 to the **nearest 100**.

Answer: _____

7. Round 550 to the **nearest 100**.

Answer: _____

PROBLEM SOLVING

8. A jar has 33 marbles. Round the marbles to the **nearest 10**.

Answer: _____

9. A shelf has 612 books. Round the books to the **nearest 100**.

Answer: _____

10. A student says 349 rounds to 400 to the **nearest 100**. Are they right? Explain how you know.

Answer: _____

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Lines and Bars

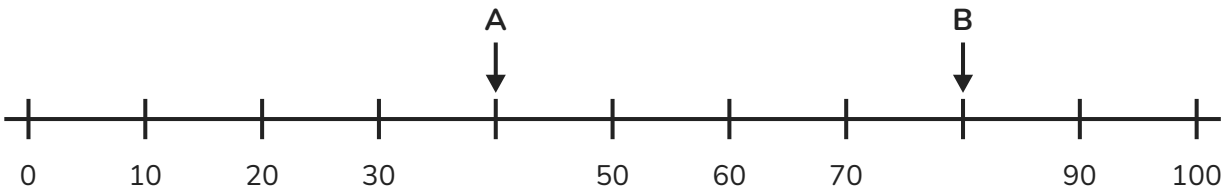
Use number lines and bar models to see rounding.

↑↓ Task E

/5

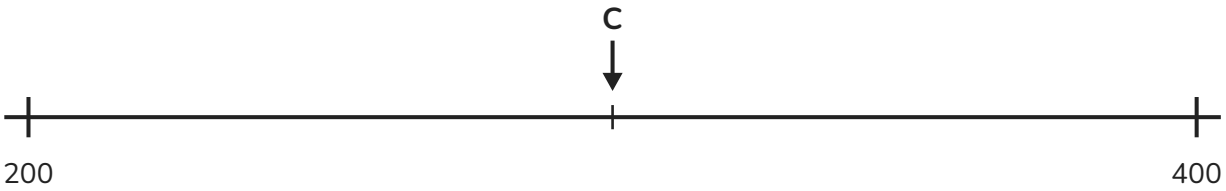
Look at arrows on each number line. Read and mark numbers.

1



A = ☐ B = ☐ Draw an arrow to show: 45

2



C = ☐ Draw an arrow to show: 350

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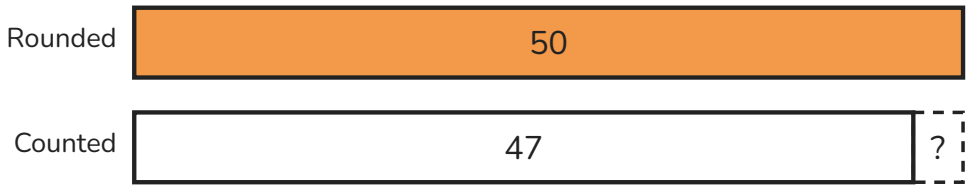
Rounding to 10 and 100

Task F

/4

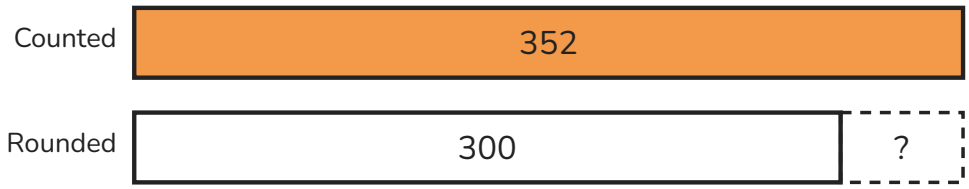
Use each bar model to show the rounding change.

1 A count of 47 marbles rounds to 50 to the **nearest 10**. How much more is the rounded number?



Answer: _____ **marbles**

2 A count of 352 beans rounds to 300 to the **nearest 100**. How many fewer does the rounded number show?



Answer: _____ **beans**

How did I do?

Circle a face for each line.

I can round numbers to the nearest 10	☹ 😐 ☺
I can round numbers to the nearest 100	☹ 😐 ☺
I can use place value to explain my rounding	☹ 😐 ☺

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Answer sheet: Rounding to 10 and 100

Task A

1. 247: 2 | 4 | 7
2. 365: 3 | 6 | 5
3. 482: 4 | 8 | 2
4. 550: 5 | 5 | 0

Task B

1. 30
2. 50
3. 70
4. 80
5. 200
6. 400
7. 500
8. 60
9. 300
10. The ones digit is 4, which is less than 5, so it rounds down to 270.

Task C

1. Step 2 is wrong: 5 or more means round up, not down. The tens digit goes from 4 to 5. Correct answer: 50
2. Step 2 is wrong: They looked at the wrong place or rounded the wrong way. For the nearest 100 look at the tens digit. 4 is less than 5, so round down. Correct answer: 300

Task D

1. 20
2. 60
3. 100
4. 70
5. 100
6. 500
7. 600
8. 30
9. 600
10. No, the tens digit is 4, which is less than 5, so it rounds down to 300.

Task E

1. A = 40; B = 80; arrows at 45
2. C = 300; arrows at 350

Task F

1. 3 marbles
2. 52 beans

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