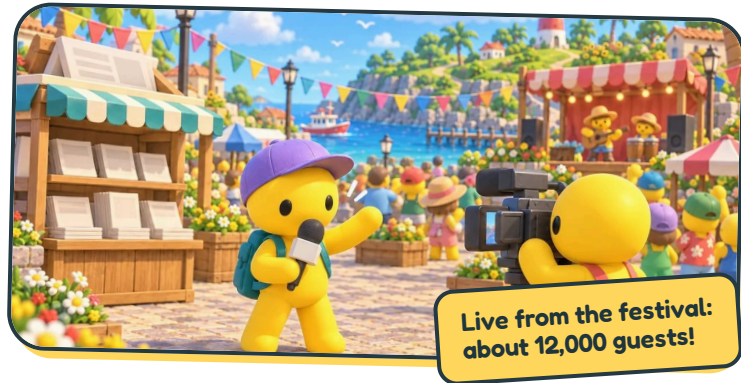


CONTROLLER DOWN. REPORTER
MODE ON.

Mission: Rounding Reporters!

The island reporters are live at the festival.
To make the numbers easy to remember,
they round them. Correctly, of course!



Name _____

Date _____



How to practice: one mission a day (15 to 20 minutes) and 5 minutes in the trainer. Remember: **look to the right!**

ROUNDING · TENS AND HUNDREDS

1 Rounding Hill

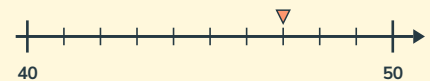
Imagine each number as a ball on a hill. It always rolls to the nearer ten. If it sits right on top, it rolls up.



The rounding rule

Look at the digit **to the right of** the rounding place:

0, 1, 2, 3, 4 → round down: the digit in the rounding place stays the same. **5, 6, 7, 8, 9** → round up: it goes up by 1. All digits to the right become 0. The sign $\approx$ means “about”.



47 is closer to 50: $47 \approx 50$

A Round to the nearest ten

$47 \approx \boxed{}$

$83 \approx \boxed{}$

$65 \approx \boxed{}$

$98 \approx \boxed{}$

$342 \approx \boxed{}$

$1,285 \approx \boxed{}$

B Round to the nearest hundred

$349 \approx \boxed{}$

$351 \approx \boxed{}$

$1,250 \approx \boxed{}$

$2,049 \approx \boxed{}$

$4,962 \approx \boxed{}$

$7,095 \approx \boxed{}$

☐ Mission 1 done

☆ Hill pro

ROUNDING BIG NUMBERS

2

Breaking News

Reporters round big numbers so people can remember them. But watch out for two traps!



Big numbers in 3 steps

1. Mark the place you round to. 2. Look at the digit to its right. 3. Round up or down, everything to the right becomes 0.

Example, nearest thousand: 247,382, to the right of the 7 is a 3 → $247,382 \approx 247,000$.

9 trap: if the digit in the rounding place is a 9 and you round up, it becomes 0 and you carry 1 to the left, through every 9 in a row: $99,960 \approx 100,000$ (nearest hundred).

A Round to the nearest thousand, ten thousand and hundred thousand

Number	to the nearest thousand	to the nearest ten thousand	to the nearest hundred thousand
247,382			
685,519			
349,990			
951,500			

B The 9 trap

2,996 to the nearest ten:

39,970 to the nearest hundred:

99,960 to the nearest hundred:

19,999 to the nearest thousand:

C The chain trap

Pixel rounds 2,446 to the nearest ten first (2,450) and then to the nearest hundred (2,500).

1. Is $2,446 \approx 2,500$ correct to the nearest hundred? yes / no

2. Correctly rounded to the nearest hundred:

ROUNDING RANGES



3

At the Fence

Which numbers end up at the same number when rounded? A deciding digit of 5 is the first one that rounds up.

Where does the range start and end?

Numbers that round to ≈ 350 (nearest ten): the smallest is **345** (rounded up), the greatest is **354** (rounded down). 344 would already be ≈ 340 , 355 already ≈ 360 .

A Smallest and greatest number

A whole number was rounded. What is the smallest and the greatest number it could have been?

≈ 350 (to the nearest ten) smallest greatest

$\approx 2,000$ (to the nearest hundred) smallest greatest

$\approx 70,000$ (to the nearest thousand) smallest greatest

≈ 600 (to the nearest hundred) smallest greatest

B Which numbers round to 800 (nearest hundred)?

749 yes / no

750 yes / no

801 yes / no

849 yes / no

850 yes / no

795 yes / no

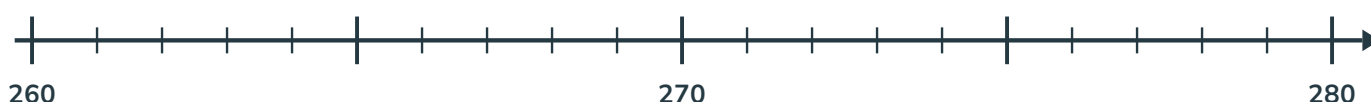
C Digit puzzle

Rounded to the nearest hundred: 3 47 $\approx 3,500$

Which digit goes in the box? There is only one possibility.

D

On the number line, mark the smallest and the greatest number that rounds to 270 (nearest ten)



☐ Mission 3 done

☆ Range expert

ROUNDING IN EVERYDAY LIFE

4

The Island News

Newspapers often print rounded numbers. If you look closely, you notice: some numbers are exact, others only about right.



A Write the headlines with rounded numbers

1. The island festival had **12,468** guests. (Round to the nearest thousand)

About guests
2. The lighthouse is **47** meters tall. (Round to the nearest ten)

About meters tall
3. The island has **3,862** residents. (Round to the nearest hundred)

About residents

B Exact or rounded?

1. There are 27 kids in the class.

exact / rounded
2. About 5,000 fans came to the concert.

exact / rounded
3. The island is around 40 km long.

exact / rounded
4. A die has 6 faces.

exact / rounded

C To which place was 312,468 rounded?

1. 312,468 $\approx$ 312,470

2. 312,468 $\approx$ 312,500

3. 312,468 $\approx$ 312,000

4. 312,468 $\approx$ 310,000

5. 312,468 $\approx$ 300,000

D How exact is the paper?

24,872 spectators watched the island cup in the stadium. The paper says: "About 25,000 fans!"

1. To which place did the paper round? _____

2. By how many spectators does the rounded number differ from the exact one?

EVERYTHING MIXED · LIKE A TEST

5

Test Check

Lightning round, true or false and two riddles: show what you can do.



A Lightning round

83 to the nearest ten:

455 to the nearest ten:

1,449 to the nearest hundred:

2,951 to the nearest hundred:

7,499 to the nearest thousand:

15,500 to the nearest thousand:

64,999 to the nearest ten thousand:

349,999 to the nearest hundred thousand:

B True or false?

- | | |
|---|--------------|
| 1. 4,550 $\approx$ 4,600 (to the nearest hundred) | true / false |
| 2. 3,449 $\approx$ 3,500 (to the nearest hundred) | true / false |
| 3. 9,500 $\approx$ 10,000 (to the nearest thousand) | true / false |
| 4. 6,049 $\approx$ 6,100 (to the nearest hundred) | true / false |
| 5. 75 $\approx$ 70 (to the nearest ten) | true / false |

C Riddles

- | | |
|---|----------------------|
| 1. I am the smallest number that rounds to 1,000 (nearest hundred). | <input type="text"/> |
| 2. I am the greatest number that rounds to 80 (nearest ten). | <input type="text"/> |

D Traffic light: how sure are you?

Tens and hundreds	☐ ☒ got it ☐ almost ☐ practice more
Big numbers and the 9 trap	☐ ☒ got it ☐ almost ☐ practice more
Rounding ranges	☐ ☒ got it ☐ almost ☐ practice more
Rounding in everyday life	☐ ☒ got it ☐ almost ☐ practice more

☐ Mission 5 done

☆ Rounding champion