

Reasoning

26/6/2020

Focus: To round any number to the nearest 10, 100, 1,000, 10,000 or 100,000

1. What is the largest possible whole number that rounds to 23,400 to the nearest hundred?

2. Katie has completed her maths homework. Check it carefully, **explain** any mistakes that she has made, and find the **correct** answer(s).

Name: Katie

1. Round 33,105 to the nearest ten.

33,110

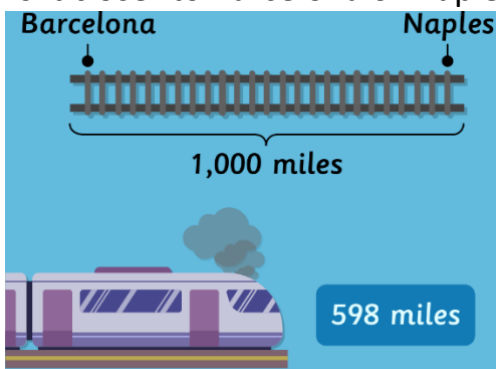
2. Round 713,000 to the nearest hundred-thousand.

700,000

3. Round 24,498 to the nearest thousand.

25,000

3. A train breaks down 598 miles into a 1,000-mile journey from Barcelona to Naples. Is it closer to Barcelona or Naples? Explain your answer.



Problem Solving

26/6/2020

Focus: To round any number to the nearest 10, 100, 1,000, 10,000 or 100,000

1. The table shows how many miles Becky travels in her car each year. Use rounding to estimate how many miles Becky travels in her car in total to the **nearest 1,000 miles**

year	mileage
2011	9,482
2012	6,201
2013	11,853
2014	14,790

2. William is thinking of a 5-digit number. His number rounds to 50,000 to the nearest 10,000. All of the digits are different, and they are all odd numbers. What is the **largest** possible number William could be thinking of?

- 51,398
- 97,531
- 59,731
- 53,971

3. Ali is thinking of a whole number. Use the following clues to find the number that Ali is thinking of:
- The number rounds to 21,200 to the nearest 100
 - The number rounds to 21,150 to the nearest 10.
 - The digits in the ten-thousands and ones columns are the same.