



Adventure Math Expedition

Practice your multi-step estimation and rounding skills on these wild adventures!

Name: _____ Date: _____

1 TREASURE HUNT

Maya finds 243 gold coins in a dusty chest and 184 silver coins in a pirate shipwreck. She rounds each coin count to the nearest ten before packing them into bags. If she puts exactly 10 coins in each bag, how many bags does she fill?

Work: _____

Answer: _____

2 JUNGLE SAFARI

An old wooden jungle bridge has a weight limit of 1000 pounds. The explorers have two supply crates weighing 524 pounds and 678 pounds. The guide rounds each crate's weight to the nearest hundred to estimate. By this estimate, how many pounds over the safety limit is their combined gear?

Work: _____

Answer: _____

3 SPACE JOURNEY

A rocket needs 9000 gallons of bio-fuel to reach the space station. Tank A has 4380 gallons and Tank B has 3810 gallons. The captain rounds each tank's fuel to the nearest thousand to estimate their fuel. Based on these rounded numbers, how many more gallons of fuel do they still need to collect?

Work: _____

Answer: _____

4 DEEP SEA DIVE

A submarine dives 342 feet to study a coral reef, then goes down another 187 feet to find a shipwreck. The captain rounds each dive distance to the nearest ten first, adds them together, and then doubles that total estimate to find the depth of a nearby trench. What is the estimated depth of the trench?

Work:

Answer: _____

5 WIZARD QUEST

A wizard needs 1500 milliliters of magic potion. He has one vial with 285 milliliters and another with 415 milliliters. He rounds each vial's amount to the nearest hundred, adds them together, and then triples the combined amount with a spell. How many milliliters of potion does he have after his spell?

Work:

Answer: _____

6 HIKING ADVENTURE

Leo and Maya are hiking to Skull Rock. The map says the first trail is 43 miles and the second trail is 37 miles. If they round each distance to the nearest ten miles before adding them, and they hike 8 miles per day, how many days will their journey take?

Work:

Answer: _____

Answer Key

Adventure Math Expedition · Grade 5

1. Maya finds 243 gold coins in a dusty chest and 184 silver coins in a pirate shipwreck. She rounds each coin count to the nearest ten before packing them into bags. If she puts exactly 10 coins in each bag, how many bags does she fill? **42**
2. An old wooden jungle bridge has a weight limit of 1000 pounds. The explorers have two supply crates weighing 524 pounds and 678 pounds. The guide rounds each crate's weight to the nearest hundred to estimate. By this estimate, how many pounds over the safety limit is their combined gear? **200**
3. A rocket needs 9000 gallons of bio-fuel to reach the space station. Tank A has 4380 gallons and Tank B has 3810 gallons. The captain rounds each tank's fuel to the nearest thousand to estimate their fuel. Based on these rounded numbers, how many more gallons of fuel do they still need to collect? **1000**
4. A submarine dives 342 feet to study a coral reef, then goes down another 187 feet to find a shipwreck. The captain rounds each dive distance to the nearest ten first, adds them together, and then doubles that total estimate to find the depth of a nearby trench. What is the estimated depth of the trench? **1060**
5. A wizard needs 1500 milliliters of magic potion. He has one vial with 285 milliliters and another with 415 milliliters. He rounds each vial's amount to the nearest hundred, adds them together, and then triples the combined amount with a spell. How many milliliters of potion does he have after his spell? **2100**
6. Leo and Maya are hiking to Skull Rock. The map says the first trail is 43 miles and the second trail is 37 miles. If they round each distance to the nearest ten miles before adding them, and they hike 8 miles per day, how many days will their journey take? **10**