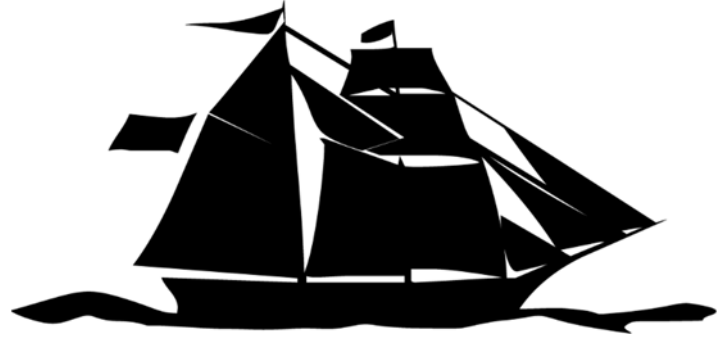


Name _____

Explorers



1. The Journey: An explorer travels at a constant speed of 60 miles per hour. If the explorer travels for 4 hours, write an algebraic expression for the total distance traveled.
2. Supplies: An explorer is packing for a journey and needs to buy supplies. If the total cost of supplies is \$500 and there are 3 explorers, write an algebraic expression for the cost per explorer.
3. Exploration Time: An explorer sets out on an exploration and spends 5 days exploring. If the explorer starts at 9:00 AM, write an algebraic expression for the time the explorer finishes exploring.
4. Expedition Expenses: During an expedition, an explorer spends \$100 per day on food, \$50 per day on fuel, and \$20 per day on miscellaneous expenses. Write an algebraic expression for the total expenses after d days.
5. Equipment: An explorer needs to purchase equipment for the journey. If the explorer buys e tents at \$80 each and s sleeping bags at \$50 each, write an algebraic expression for the total cost of the equipment.
6. Travel Time: An explorer travels at a constant speed of 30 kilometers per hour. If the explorer travels for t hours, write an algebraic expression for the total distance traveled.
7. Mapping: An explorer is mapping an uncharted region and covers an area of 100 square kilometers in a day. Write an algebraic expression for the area covered after d days.
8. Budget: An explorer has a budget of \$5,000 for an expedition. If the explorer spends 40% of the budget on transportation, 30% on food, and the rest on equipment, write an algebraic expression for the amount spent on equipment.
9. Discoveries: An explorer discovers n new species during an expedition. If the explorer discovers twice as many insects as mammals and four times as many reptiles as mammals, write an algebraic expression for the number of mammals discovered.
10. Time Management: An explorer sets a goal to spend 25% of the total expedition time exploring caves. If the expedition lasts for t days, write an algebraic expression for the number of days spent exploring caves.