

Work sheet 2

① Some books define trapezoids as quadrilaterals that have exactly one pair of parallel sides. Draw a Venn diagram (or other clear diagram) showing how the categories of parallelogram and trapezoids are related when this alternative definition of trapezoid is used.

② A radio beam indicates that a certain dolphin is less than 1 mile from boat A and at least $1\frac{1}{2}$ miles from boat B. The boats are 2 miles apart. Draw a simple map to show locations of the boats and all the places where the dolphin might be located. Show scale of map.