

# Unit 9 Lesson 11: Building a Trundle Wheel

## 1 What Is a Trundle Wheel? (Optional)

### Student Task Statement

A tool that surveyors use to measure distances is called a trundle wheel.

1. How does a trundle wheel measure distance?
2. Why is this method of measuring distances better than the methods we used in the previous lesson?
3. How could we construct a simple trundle wheel? What materials would we need?



## **2 Building a Trundle Wheel (Optional)**

### **Student Task Statement**

Your teacher will give you some supplies. Construct a trundle wheel and use it to measure the length of the classroom. Record:

1. the diameter of your trundle wheel
2. the number of clicks across classroom
3. the length of the classroom (Be prepared to explain your reasoning.)