

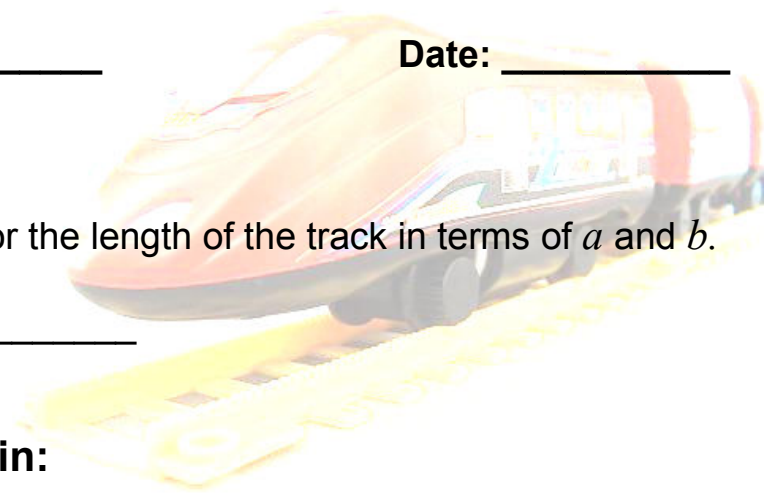
Scale and Proportion – Using a Model Train

Name: _____

Date: _____

Perimeter:

1. Write down an expression for the length of the track in terms of a and b .



Finding the speed of the train:

2. The train takes approximately _____ seconds to travel once around the track.

The formula for speed is: _____

Therefore, the speed of the train is: _____
(Don't forget the units).

3. The length of the outer rail: _____

Working with scale:

4. The scale used: _____

5.1 Volume of the model carriage: _____

5.2 Volume of the real carriage: _____

6.1 Speed in km/h: _____

6.2 _____

6.3 _____

6.4 _____