Demolition Dollars

Activity

The boys in Bradyn's hockey team are raising money so that they can travel to a tournament. Mrs Jones at the wrecker's yard offers them weekend work, sorting stuff. She pays each boy who turns up the same hourly rate.

OK, I want to set a target of $1,200 to be earned from this job.

We should be able to earn at least $150 a week.

1. Weekend 1
8 boys work 3 hours and earn $120. What is the hourly rate?

2. Weekend 2
7 boys work 4 hours. How much do they earn?

3. Weekend 3
Only 5 boys turn up, but they exactly reach the weekly target. How many hours do they work?

4. Weekend 4
Most of the team turn up. They work for 5 hours and earn a total of $225. How many boys work?

5. Weekend 5
3 parents come and work alongside the boys. Mrs Jones says she will pay the parents $10 an hour because they can shift the heavier stuff. The boys and the parents work for 4 hours and earn $280. How many boys work?

6. Weekend 6
10 boys and 2 parents work for 4 hours. How much do they earn?

7. After 6 weeks working for Mrs Jones, how much short or over the grand target of $1,200 is Bradyn's team?

Solving problems involving rates