

Name: Help

Date: _____

Period: _____

Word Problems

1. Jamal wants to attend a Beyoncé concert in 6 weeks, and the tickets cost \$150. If he started with \$20, how much will he have to save per week if he wants to attend the concert?
2. Samuel has \$65 dollars saved in his bank account. He is planning to save money for the next 7 weeks to buy a dollhouse for his baby sister that costs \$320. How much will he have to save each week?

3. I am taking a 250 mile road trip to Orlando to visit my aunt and uncle. How fast will I have to go if I want to make the trip in 4 hours?

Distance → *time*

look at the units

$$\frac{\text{miles}}{\text{hour}} \cdot \text{hour} = \text{miles}$$

Speed · time = distance

$$S \cdot 4 = 250$$

4. Jocelyn is driving 2,350 miles to visit bae in California this weekend. If she travels at a constant speed of 58 M.P.H. how many hours will it take her to get there?

$$\frac{S \cdot 4}{4} = \frac{250}{4}$$
$$S = 62.5 \text{ mph}$$

5. 40 classes at Miami Jackson have been trying to raise money for United Way and already have \$200 raised. If the school wants to raise more than \$1,500, how much more does each class have to save?

40 → classes \$1,500 → minimum

200 → already saved

$$1,500 \leq 40x + 200$$

6. The Jackson dance team is planning a trip to Italy next year. They want to spend at least \$12,000 but can spend no more than \$15,500. They are spending \$7,000 on flights, \$4,900 on food, and the rest on 50 uniforms for the team. How much money could the team spend on each uniform?
7. Sonia is having a quinceanera at her house. The cost for each person to attend is \$8.50 for food and \$12.50 for party favors. Her mom said that she cannot spend more than \$500 on the party. How many people can she invite?