

Inverse Proportionality

1. If it takes 1 person 6 hours to change oil in 12 vehicles, how long will it take 3 people to change oil in 12 vehicles?

- a. 36 hours
- b. 4 hours
- c. 2 hours

2. 5 high school students can make 20 pizzas per hour. How long will it take 10 students to make the 20 pizzas?

- a. 2 hours
- b. 3 hours
- c. $\frac{1}{2}$ hour

3. The drama club can earn \$1,000.00 for their upcoming trip by helping clean up the athletic arena following games. The manager says it takes 20 people 2 hours (120 minutes) to clean up the area. How long will it take 30 students to clean the area?

- a. 80 minutes
- b. 60 minutes
- c. 90 minutes