

Name : _____

Direct and Inverse Variation

Sheet 2

Round your answer to two decimal places.

- 1) During a Christmas sale, Hailey bought 30 toy cars for \$500 to donate to an orphanage. How many toy cars can be purchased for \$300?

- 2) A new dishwasher uses 72 gallons of water to wash 12 loads of dishes. How many gallons of water will 15 cycles require?

- 3) A construction company employed 27 workers to finish the job in 5 days. How many workers would they need to complete the same job in 3 days?

- 4) Ian earns \$1,760 for working 60 hours of a week. How much will he earn, if he works 75 hours?

- 5) Gregg, a truck driver travels a specific distance in 3 hours at a speed of 47 miles per hour. If he took 2 hours to cover the same distance on his way back, at what speed did Gregg drive the truck?

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Direct and Inverse Variation

Round your answer to two decimal places.

- 1) During a Christmas sale, Hailey bought 30 toy cars for \$500 to donate to an orphanage. How many toy cars can be purchased for \$300?

18 toys

- 2) A new dishwasher uses 72 gallons of water to wash 12 loads of dishes. How many gallons of water will 15 cycles require?

90 gallons of water

- 3) A construction company employed 27 workers to finish the job in 5 days. How many workers will they employ to finish the same job in 33 days?

33 days

- 4) Ian earns \$1,760 for 60 hours of work. How much will he earn, if he works 120 hours?

\$1,320

- 5) Gregg, a truck driver travels a specific distance in 3 hours at a speed of 47 miles per hour. If he took 2 hours to cover the same distance on his way back, at what speed did Gregg drive the truck?

70.5 miles per hour

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