Everyday Situations 1

A. Plumber

A plumber charges a fixed fee for coming to your house, then charges a fixed amount per hour on top of this.

- x = the time the job takes in hours.
- y = the total cost of the plumber's time in dollars.

B. Cycling

A cyclist travels along a direct route from town A to town B.

- x = the distance of the cyclist from town A in miles.
- y = the distance of the cyclist from town B in miles.

C. Movie subscription

You get two movies free, but then you get charged at a fixed rate per movie.

- x = the number of movies seen.
- y = the total money spent in dollars.



An internet café charges a fixed amount per minute to use the internet.

- x = the number of minutes spent on the internet.
- y = the cost of using the internet in dollars.



How much does the plumber charge for a 3-hour job?



How far apart are the towns?



What is the fixed rate per movie?



How many minutes will \$8 buy?

Everyday Situations 2



x = the number of folds.

Celsius.

F. Ferris wheel

meters.

y = the thickness of the paper in inches.

H. Speed of golf shot

A golfer hits a ball.

x = the time that has elapsed in seconds.

y = the speed of the ball in meters per second.



How thick would the paper



When is the ball travelling most slowly?

Everyday Situations 3









