1. The tourist walked for 4 hours at a speed of 1.5 m/s. How far did he go?

$$Distance = Speed\ x\ Time$$

4 hours = 4 h x 60 = 240 minutes = 240 minutes x 60 = 14 400 seconds

$$Distance = 1.5\ x\ 14400 = 21\ 600\ m$$

2. The bee flew 240 meters in 80 seconds. How fast was she flying?

$$Speed = \frac{Distance}{Time}$$

$$Speed = \frac{240}{80} = 3\ m/s$$

3. The train travelled 140 km from one station to another in two hours. How fast was it moving? Express the answer in meters per second.

$$Speed = \frac{Distance}{Time}$$

140 km = 140 km x 1000 = 140 000 m

2 hours = 2 h x 60 = 120 minutes x 60 = 7 200 seconds

$$S = \frac{140\ 000}{7200} = 19.44\ m/s$$

4. The spacecraft flies at a speed of 8000 m/s. How far will it fly in two hours?

   Express the answer in meters per second.

2 hours = 2 h x 60 = 120 minutes x 60 = 7 200 seconds

$$Distance = Speed\ x\ Time$$

$$Distance = 8000\ x\ 7200 = 57{,}600{,}000\ m$$

5. The beetle crawls with the constant speed - 4 cm / s. How long will it take to crawl 28 cm?

$$Time = \frac{Distance}{Speed} = \frac{28}{4} = 7\ cm/s$$