| Name Key | date | per | mailbox |
|--|---|--|--|
| Speed is the rate of motion or pur measure of how fast an object is raveled compared to the amount | traveling in a certain defined di | rection. Both speed and velo | |
| Speed = distance / time Ex: 50km/hr | velocity = (distance / tin Ex: 50km/hr west | ne) in a specific direction | |
| Answer the following questions a | nd show all work. Include UNI | TS and write the FORMULA e | ach time. |
| 1. What is the velocity of a car t $ \sqrt{\frac{75}{1.5}} $ | | | |
| 2. What is the velocity of a plan- | e that traveled 3,000 miles from | m New York to California in 5. | 0 hours? |
| V=d/t V= 3,00 | $\frac{00m}{h}$ $V = 600 m$ | iph west | |
| 3. John took 45 minutes to bicy | | , a total of four kilometers to | the north. What was his $\sin = .75 \text{ hr}$ |
| 4. It took 3.5 hours for a train to | travel the distance between t | wo cities at a velocity of 120n | |
| are between the two cities? | -)=d 120 m x | 3.5 = 42 | Omiles Find dis |
| Find fine S(+) 6. A car is traveling at 100km/hr | car to travel a distance of 200 k = 4 + 4 = 4 $= 4 + 4 = 4$ The state of 200 k = 4 + 4 = 4 The state of 200 k | kilometers if it is traveling at a $ \frac{200 \text{ km}}{55 \text{ km}} $ to cover a distance of 750km | velocity of 55km/hr? $ \rightarrow + = 3.63 \text{ h}$ |
| Findtime += 7. A plane traveled for about 2 | d/s $+=\frac{750}{100}$ | Km/hr += 7,3 | 5 hours |
| Find dist. St | | | |
| 8. A girl is pedaling her bicycle a | 7 | | |
| Find dist. S(t) = a | 1 0.10 km x | 120 min = 12K | Zhr -> 120mi |
| | Om? Express your answers in s | seconds, minutes and hours. | |
| Find time +=d | s += 5000 cm | = 5000s 760 | 83/3 min 381 |
| 10. The water in the Buffalo Rive river a distance of 16kilomete | er flows at an average speed of ers, how many hours and minu | | ecide to canoe down the |

Find time t= d/s += 16 km += 3,2 hr x60 > 192 min