

If  $h$  = the number of hours, then she is charged  $8h$  dollars plus the \$52. So  $8h + 52 = 144$ . Subtract 52 from both sides:  $8h = 92$ . Divide both sides by 8:  $h = 11.5$ . She cannot rent the car for a fraction of an hour, so she can rent it for at most 11 hours.