

9) You and your friend catch fish.  
 After  $t$  hours, you have  $(4t-1)$   
 fish and your friend has  $(2t+3)$  fish.

a) Write an expression that represents  
 the total number of fish you both caught.

$$(2t+3) + (4t-1)$$

$$6t+2$$

b) Who has caught more fish after  
 4 hours  $t=4$

you $4t-1$ $4t-1 = 4$ $+1 \quad +1$ <hr/> $\frac{4t}{4} = \frac{5}{4}$ $t = \frac{5}{4}$	friend $2t+3$ $2t+3 = 4$ $-3 \quad -3$ <hr/> $\frac{2t}{2} = \frac{1}{2}$ $t = \frac{1}{2}$
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$$4\left(\frac{1}{3}\right) - 1$$

$$\frac{4}{3} - \frac{3}{3}$$

$$\frac{1}{3}$$

$$2\left(\frac{1}{3}\right) + 3$$

$$\frac{2}{3} + \frac{9}{3}$$

$$\frac{11}{3}$$

$$16) \text{ Adult } = \$25.00$$

$$\text{Child} = \$15.00$$

$$\text{Adult Ride} = \$3.50$$

$$\text{Child Ride} = \$2.25$$

$$b) \text{ Adult: } 25 + 3.5(8)$$

$$25 + 28$$

$$\$53$$

$$\text{Child: } 15 + 2.25(8)$$

$$15 + 18$$

$$\$33$$

$$a) \text{ Adult Express}$$

$$\$25.00 + \$3.50R$$

$$\text{Child Express}$$

$$\$15.00 + \$2.25R$$

$$(25 + 3.5R) - (15 + 2.25R)$$

$$R = 1$$

$$28.5 - 17.25$$

$$\$11.25$$

18) Make = \$25 per lawn

Cost = \$4.50 per gallon

$g$  = gallons