

- 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.

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

b) Who has caught more fish after
 4 hours

you $4t - 1 = 4$ $+1 +1$ <hr style="width: 100%;"/> $4t = 5$ $\frac{4t}{4} = \frac{5}{4}$ $t = \frac{5}{4}$	friend $2t + 3 = 4$ $-3 -3$ <hr style="width: 100%;"/> $2t = 1$ $\frac{2t}{2} = \frac{1}{2}$ $t = \frac{1}{2}$	$t = \# \text{ hours}$ $t = 4$ <hr style="width: 100%;"/>
--	---	---

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

$$6t + 2 = 4$$

$$\frac{6t}{6} = \frac{2}{6}$$

$4\left(\frac{1}{3}\right) - 1$ $\frac{4}{3} - \frac{3}{3}$ $\frac{1}{3}$	$t = \frac{1}{3}$ $2\left(\frac{1}{3}\right) + 3$ $\frac{2}{3} + \frac{9}{3}$ $\frac{11}{3}$
---	---

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

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

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

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

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

$$25 + 28$$

$$\$53.00$$

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

$$15 + 18$$

$$\$33.00$$

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

$$25.00 + 3.50r$$

$$\text{Child Express}$$

$$15.00 + 2.25r$$

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

18) Make = \$25 per lawn

Cost = \$4.50 per gallon

g = gallons

Ans: $\$25 - 4.50g$