

## Notes Template Day 7

$$1. \quad 15a + 7c = 158$$
$$2a + 13c = 63.50$$

$a$  = cost of an  
adult ticket

$c$  = cost of child  
ticket.

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2.

$$a + c = 32$$

$$3.75a + 1.25c = 87.50$$

$a$  = # of adult tx.

$c$  = # of child tx

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3.

$$a + c = 87$$

$$8.50a + 4c = 451.50$$

$a = \# \text{ of } a \text{ tx}$

$c = \# \text{ of } c \text{ tx.}$

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4.

$$2c + 5g = 33.50$$

$$8c + 3g = 74.50$$

$c = \$ / \text{pound}$

$g = \$ / \text{pound.}$

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5.

$$4n + 2r = 23.50$$

$$2n + 4r = 18.50$$

$n = \$ / \text{lb}$

$r = \$ / \text{lb.}$

$$D = r \cdot t$$

#6

upstream  
current  
pushes against  
 $r - c$

downstream  
current  
pushes forward  
 $r + c$

also

True.

$$r = \frac{D}{t}$$

$$t = \frac{D}{r}$$

$$D = r \cdot t$$

	$D = r \cdot t$		
up	$2(r - c)$	$r - c$	2
down	$4(r + c)$	$r + c$	4

Total 1700

$$D = r \cdot t$$

		against	
up	$b$	$r - c$	$6 \text{ hr}$
down	$b$	$r + c$	$75 \text{ hr.}$ <del><math>45 \text{ min}</math></del>

$$b = (r - c)6$$

$$b = (r + c) \cdot 75$$