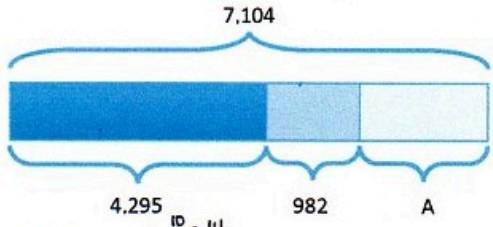
Name Jack Date

Directions: Using the diagrams below, create your own word problem and solve for the missing variable.

1.



There were 7,104 people who attended a football game. 4,295 were men, 982 were children, and the rest were women. How many women attended the football game?

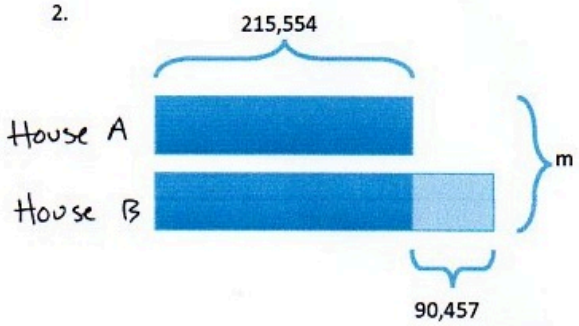
$4,295 + 982 = 5,277$

$7,104 - 5,277 = 1,827$

$A = 1,827$

1,829 women attended the game.

2.



House A costs $215,554. House B costs $90,457 more than House A. How much do both houses cost together?

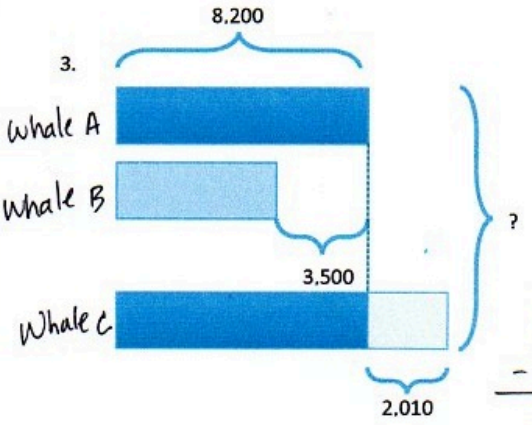
$\$215,554 + \$90,457 = \$306,011$

$\$306,011 + \$215,554 = \$621,565$

Both houses cost $621,565

$m = \$621,565$

3.



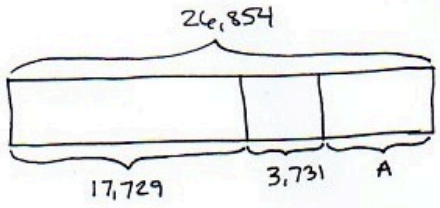
Whale A weighs 8,200 kilograms. Whale B weighs 3,500 ~~more~~ less kilograms than Whale A. Whale C weighs 2,010 more kilograms than Whale A. How many kilograms do all 3 whales weigh together?

$$\begin{array}{r} {}^{7}\cancel{8}{}^{12}200 \\ -\ 3500 \\ \hline 4700 \end{array} \qquad \begin{array}{r} 8200 \\ +\ 2010 \\ \hline 10,410 \end{array} \qquad \begin{array}{r} {}^{1}10,410 \\ 8,200 \\ +\ 4,700 \\ \hline 23,310 = ? \end{array}$$

All 3 whales weigh 23,310 kilograms.

Draw a tape diagram to model the following equation. Write a word problem and solve for the unknown.

4. $26{,}854 = 17{,}729 + 3{,}731 + A$



A survey of 26,854 people showed 17,729 prefer orange juice, 3,731 prefer grape juice, and the rest prefer apple juice in the morning. How many people prefer apple juice?

$$\begin{array}{r} 17,729 \\ +\ 3,731 \\ \hline 21,460 \end{array} \qquad \begin{array}{r} {}^{7}{}^{15}\cancel{2}\cancel{6},\cancel{8}\cancel{5}4 \\ 21,460 \\ \hline 5,394 = A \end{array}$$

5,394 people prefer apple juice in the morning.