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Pick up and Start the Warm Up

The dastardly price of convenience.
Posted on April 6, 2012 by Jessica Hagy

1. A car dealer has 22 vehicles on his lot. If 8 of the vehicles are vans and 6 of the vehicles are red, and 10 vehicles are neither vans nor red, how many red vans does he have on his lot?
2. In Ms. Wright's English class, 16 students are in band, 7 students play sports, 3 students participate in both activities, and 9 students are not in band and do not play sports. How many students are in Ms. Wright's English class?
3. A car dealer has 22 vehicles on his lot. If 8 of the vehicles are vans and 6 of the vehicles are red, and 10 vehicles are neither vans nor red, how many red vans does he have on his lot?

4. In Ms. Wright's English class, 16 students are in band, 7 students play sports, 3 students participate in both activities, and 9 students are not in band and do not play sports. How many students are in Ms. Wright's English class?

$13+3+4+9$
$=\begin{gathered}29 \\ 5+0 \text { dents }\end{gathered}$
5. The accompanying Venn diagram shows the number of students who take various courses. All students in circle $A$ take mathematics. All in circle $B$ take science. All in circle $C$ take technology. What percentage of the students take mathematics or technology?

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& \text { Aim }
\end{aligned}
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Analyze Venn Diagrams
Use Venn Diagrams to solve problems.

- Continue to practice using Venn Diagrams and Sets


A group of students were asked if they had ever visited France, China and Australia
$2 \dot{4}$ had visited none of the countries
111 had visited Australia
48 had visited China
125 had visited France
23 had been to Australia and China
40 had been to Australia and France
$\rightarrow 13$ had been to France and China
8 had been to all three
 Shading 3 set Venn Diagrams
will work on for bit.


$(A \cup B)^{\prime} \cap C$


back side Interpreting
multiple possible answers

In the following diagrams, define the set that has been shaded

$(A \cap B) \cup(A \cap C) \cup(C \cap B) \quad(A \cup C) \cap B^{\prime} \quad((A \cap B) \cap C)^{\prime}$



## Set/Venn Assignment \#3 is a handout

You have the rest of the period to work on this. Due tomorrow.

Keep making progress on your project. Use this time to ask me questions or run ideas by me.

