1. List three multiplication facts that you can use to help you calculate $5 \times 8$. How can you use each fact? (chunking, doubling, multiples)

2. Joe fills a box with six muffins.
   a) How many muffins does he need to fill eight boxes? (use $5 \times 8 = 40$ to figure $6 \times 8$)
   b) How would the number change if he fills nine boxes? (use $10 \times 6 = 60$ to find $9 \times 6$)

3. How can you use base ten blocks to show that $30 \times 40 = 1200$? Sketch your model. (example: $50 \times 3 +$ tens)

4. Use a sketch to show that $18 \times 50 = 9 \times 100$. (half and double)

5. How much greater is $4 \times 96$ than $4 \times 90$? How do you know? Show calculations.
6. One boat can hold 15 passengers to ferry them across a lake. 
   About how many passengers can 21 boats hold? 
   Describe your estimation strategy.

7. About 14 cars pass over a small bridge every 6 hours. (Hint: estimate—show your work.) 
   About how many cars pass over the bridge in a week?

8. Calculate. Use expanded form to show calculations.
   a) $22 \times 17$
   b) $15 \times 15$

   a) How many times will her heart beat in 12 min? $73 \times 12 = 876$
   b) How many times will her heart beat in 35 min? $73 \times 35 = 2555$
   c) How many times will her heart beat in 41 min? $73 \times 41 = 2993$