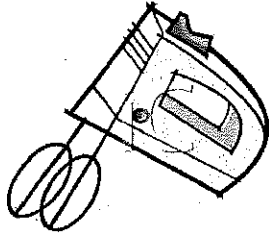


# MCAS Mixer #1

Name \_\_\_\_\_

Lab Day \_\_\_\_\_



1) A carpenter estimated that a project he was working on would take 45 hours to complete. If he worked between  $7\frac{3}{4}$  and 8 hours a day, Monday through Friday, could he finish the project by the end of the week? Show your work.

2) What is the missing number in the pattern shown above?

$$4\frac{1}{8}, 5\frac{1}{2}, 6\frac{7}{8}, \underline{\hspace{1cm}}, 9\frac{5}{8}$$

3) Which of the following statements describes how many tables are needed given the number of persons attending a banquet?

Tables	# of people
1	5
2	10
3	15
4	20

- a) 5 times the # of persons attending
- b)  $\frac{1}{5}$  the # of persons attending
- c) the # of persons attending, minus 5
- d) 2 less than  $\frac{1}{5}$  the # of persons attending

4) Which of the following numbers is both a rational number AND an integer?

- a) 7.1964
- b)  $\frac{26}{100}$
- c) 119.00004
- d) 344

5) According to the table below, what is the median rate that these 8 students charge for tutoring?

Student	Alex	Audrey	Carrie	Jessica	Julia	Megan	Todd	Troy
Rate	\$10.00	\$12.50	\$11.00	\$10.00	\$15.00	\$11.00	\$10.50	\$12.00

- a) \$11.00
- b) \$12.00
- c) \$11.50
- d) \$10.00