NAME: _____

Look at the expressions below. Circle the expression that has a greater value. Then, explain how you know that expression has a greater value. You may use words, numbers, and/or symbols to show your thinking.

$$\frac{1}{8} \text{ of } 40 \qquad\qquad \frac{1}{4} \text{ of } 36$$

_____

_____

_____

_____

_____

Fill in the boxes with numbers from the NUMBER BANK to create five fractions that are worth more than 3 wholes. You may only use a given number one time, and you will not use all the numbers.

$$\frac{\boxed{}}{\boxed{6}} \qquad \frac{\boxed{}}{\boxed{3}} \qquad \frac{\boxed{4}}{\boxed{}} - \frac{\boxed{12}}{\boxed{}} - \frac{\boxed{}}{\boxed{2}}$$

NUMBER BANK
1   2   3   4
12   15   18   24

$$\frac{3}{4} - \frac{1}{12} \qquad\qquad \frac{8}{17} + \frac{7}{17} \qquad\qquad \frac{1}{4} + \frac{1}{16}$$

Determine which letter best represents the correct answer.

$5 \times 6\,^2/_3 =$ | $5 \times 6\,^2/_3 = 33\,^1/_3$

Anytime you multiply a fraction and a whole number, you can estimate the answer by remember that the fraction is just part of a number. | In the example above, $6\,^2/_3$ is larger than 6 but less than 7. So we know the answer is going to be between 5×6 and 5×7. | The actual answer is $33\,^1/_3$ which is between 5×6 (30) and 5×7 (35).

Ex) $7 \times 4\frac{1}{2}$ **A.** $39\frac{1}{2}$ **B.** $31\frac{1}{2}$ **C.** $43\frac{1}{2}$ **D.** $22\frac{2}{2}$

1) $5 \times 3\frac{3}{7}$ **A.** $26\frac{1}{7}$ **B.** $23\frac{1}{7}$ **C.** $13\frac{2}{7}$ **D.** $17\frac{1}{7}$

2) $8 \times 4\frac{1}{4}$ **A.** 46 **B.** 34 **C.** 43 **D.** 26

3) $7 \times 6\frac{4}{7}$ **A.** 54 **B.** 39 **C.** 64 **D.** 46

4) $2 \times 5\frac{3}{4}$ **A.** $14\frac{2}{4}$ **B.** $11\frac{2}{4}$ **C.** $26\frac{2}{4}$ **D.** $9\frac{3}{4}$

Carl owns some books.
Imagine that c = the number of books Carl owns.

Then what expression can show you....

twenty more books than what Carl owns? _____

one-half the number of books Carl owns? _____

the number of books Carl can put into a box if
          he splits his books into 4 boxes? _____

ten less books than what Carol owns? _____