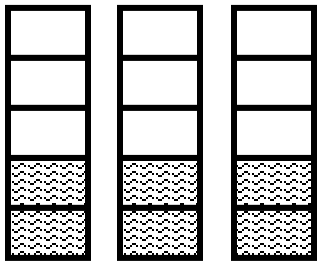
<u>6th Review #74</u> – WORK MUST BE SHOWN **FOR EACH PROBLEM – NO CALCULATORS (except on #5)**

Name_____

1. Model to solve: $4 \div {}^{2}/_{3}$

2. Which expression is represented by the model below? *(Show how you found the expression)*



A $3 \div {}^{2}/_{5}$

B ${}^{2}/_{5} \bullet {}^{3}/_{5}$

C $3 \bullet {}^{2}/_{5}$

D $6 \div {}^{2}/_{5}$

3. Find the product: ${}^{2}/_{3}$ and $3\ {}^{1}/_{4}$

A $3\ {}^{1}/_{6}$

B $2\ {}^{1}/_{6}$

C $2\ {}^{7}/_{12}$

D $3\ {}^{11}/_{12}$

4. Find the quotient: **4.48 ÷ 0.7** (*Show how you divided)*

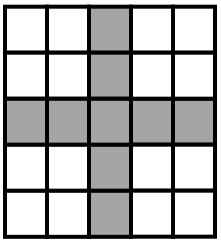
A 0.604

B 6.4

C 0.64

D 6.04

5. The model below represents 1 whole. What percent of the model is shaded? *(Show how you found the percent)*



A 9%

B 25%

C 36%

D 40%

6. Model to solve: $4 \bullet {}^{4}/_{5}$

Adv. Review #74 (7th grade SOLs)
SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!
(except on #8)

7.

The record high temperature for a certain U.S. state is 104°F. The record low temperature for the same state is -14°F. What is the difference between the record high and low temperatures for this state?

F 118°F
G 90°F
H 100°F
J 108°F

8. Melody is selling boxes of cookies for $5 per box. Create a ratio table that represents this proportional situation.

Boxes	Cost

9.

Which of the following expressions has the *greatest* value?

A. $(6+6)\cdot 2 \div 3 - 1$
B. $6+6\cdot 2 \div 3 - 1$
C. $6+6\cdot 2 \div (3-1)$
D. $6+6\cdot (2 \div 3 - 1)$

10. Model the following expression with counter chips (+, -); then solve.

-1 + -4