6th Review #38 - WORK MUST BE SHOWN FOR EACH PROBLEM - NO **CALCULATORS**

1) $\frac{4}{6} \times \frac{1}{3}$ (model; then check by shortcut)

2) $6 \div \frac{5}{6}$ (model; then check by shortcut) Name

4) $9 \times \frac{2}{3}$ (model; then check by shortcut)

5) $1^{1}/_{3} \times \frac{3}{8}$ (model; then check by equation)

3) Model to find the product:



6) $2 \div \frac{1}{5}$ (model; then check by shortcut) <u>Adv. Review #38</u> (7th grade SOLs) SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

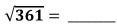
7. The highest recorded temperature in Alaska is 100 degrees Fahrenheit. The lowest is -80 degrees Fahrenheit. What is the difference from the low temperature to the high temperature?

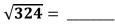
9. Model the following expression with a number line; then solve.

-12 + 2

8. Solve the following:

 $\sqrt{100} =$







10.

A hardware store sells boxes of nails. The nails are $\frac{5}{8}$, $\frac{9}{16}$, $\frac{3}{4}$, and $\frac{1}{2}$ inch in length. If the boxes of nails are to be arranged by nail size from least to greatest, which of the following is the correct order?

A.	$\frac{1}{2}, \frac{3}{4}, \frac{5}{8}, \frac{9}{16}$	В.	$\frac{1}{2}$,	$\frac{9}{16}$,	$\frac{5}{8}$,	$\frac{3}{4}$
C.	$\frac{3}{4}, \frac{5}{8}, \frac{9}{16}, \frac{1}{2}$	D.	$\frac{3}{4}$,	$\frac{9}{16}$,	$\frac{5}{8}$,	$\frac{1}{2}$