**Name:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Date:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Period:**\_\_\_\_\_\_\_\_\_\_

**SOLVING INEQUALITIES BY MULTIPLICATION AND DIVISION**

**Worksheet 349**

**Solve each inequality. Then check your solution.**

**1.** $\frac{y}{6}$ ≤ 2 **2.** – $\frac{n}{50}$ > 22 **3.** $\frac{3}{5}$*h* $\geq $ – 3 **4.** – $\frac{p}{6}$ < – 6

**5.** $\frac{1}{4}$*n* ≥ 10 **6.** – $\frac{2}{3}$*b* < $\frac{1}{3}$ **7.** $\frac{3m}{5}$ < $-\frac{3}{20}$ **8.** –2.51 ≤ – $\frac{2h}{4}$

**9.** $\frac{g}{5}$ ≥ – 2 **10.** – $\frac{3}{4}$ > –$\frac{9p}{5}$ **11.** $\frac{n}{10}$ ≥ 5.4 **12.** $\frac{2a}{7}$ $\geq $ – 6

**Write an inequality, and solve each problem. Then check your solution.**

**13.** Half of a number is at least 14.

**14.** The opposite of one-third a number is greater than 9.

**15.** One fifth of a number is at most 30.

**Name:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Date**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Period:**\_\_\_\_\_\_\_\_\_

**SOVLING INEQUALITIES USING MULTIPLICATION AND DIVISION**

**Worksheet 350**

**Solve each inequality. Then check your solution.**

**1.** 25*g* ≥ –100 **2.** –2*x* ≥ 9 **3.** –5*c* > 2 **4.** –8*m* < –64

**5.** –6*k* < $\frac{1}{5}$ **6.** 18 < –3*b* **7.** 30 < –3*n* **8.** –0.24 < 0.6*w*

**9.** 25 ≥ –2*m*  **10.** –30 > –5*p* **11.** –2*n* ≥ 6.2 **12.** –35 < 0.05*h*

**13.** –40 > 10*h* **14.** – $\frac{2}{3}$*n* $\geq $ 6 **15.** –3 < $\frac{p}{4}$

**Write an inequality, and solve each problem. Then check your solution.**

**16.** Four times a number is no more than 108.

**17.** The opposite of three a number is greater than 12.

**18.** Negative five times a number is at most 100.