1. $\boxed{5}$

2. $\boxed{12}$

3. $\boxed{60}$

4. $\boxed{15}$

5. $\boxed{16}$

6. If there are x late shipments, then there are $(2000 - x)$ on-time shipments.

$$\begin{aligned} 5(2000 - x) - 40x &= 9190 \\ 10000 - 5x - 40x &= 9190 \\ 810 &= 45x \\ x &= \boxed{18} \end{aligned}$$

7. $\boxed{40}$

8. If Neil answered x questions correctly, then he answered $20 - x$ incorrectly.

$$\begin{aligned} 20x - 12(20 - x) &= 240 \\ 20x - 240 + 12x &= 240 \\ 32x &= 480 \\ x &= \boxed{15} \end{aligned}$$

9. If Jerry is x years old, his mom is $(x + 24)$ years old, and his dad is $(x + 24) + 4 = (x + 28)$ years old.

$$\begin{aligned} x + (x + 24) + (x + 28) &= 82 \\ 3x + 52 &= 82 \\ 3x &= 30 \\ x &= \boxed{10} \end{aligned}$$

10. If a jacket is x dollars, then a shirt is $(x - 20)$ dollars.

$$\begin{aligned} 6x &= 8(x - 20) \\ 6x &= 8x - 160 \\ 160 &= 2x \\ x &= 80 \end{aligned}$$

Each jacket is \$80 so the school can buy $720 \div 80 = \boxed{9 \text{ jackets}}$.