

1. $\boxed{3: 14, 63, 70}$

2. $\boxed{\triangle}$

3. $\boxed{24}$

4. We first find out how many lights are on one side and then multiply that by 2 to get all lights. Since the bridge is 72 meters long, and lights are installed 8 meters apart, that means there are $72 \div 8 = 9$ lights to the right of every 8 meters. But since lights are installed on both ends of the bridge, there is an extra one at the end, giving us $9 + 1 = 10$ lights on each side. Then there are $2 \times 10 = \boxed{20}$ lights on the bridge.

5. $\boxed{16}$

6. Keep in mind order of operations. The following is only one out of many possible solutions to these problems:

(a) $4 \times 4 \div 4 \div 4 = 1$

(b) $4 \div 4 + 4 \div 4 = 2$

(c) $(4 + 4 + 4) \div 4 = 3$

(d) $(4 - 4) \times 4 + 4 = 4$

7. $\boxed{(1) \text{ Albert} \quad (2) \text{ Brandon} \quad (3) \text{ Nicholas}}$

8. $\boxed{5 \text{ minutes}}$

9. We know that rabbits have 4 legs and chickens have 2 legs. Suppose that all of the pets are rabbits. Then there are $6 \times 4 = 24$ legs total. This is $24 - 16 = 8$ more legs than Matthew counted. For each chicken that we replace a rabbit with, we lose $4 - 2 = 2$ legs in our count. This means that we have $8 \div 2 = \boxed{4}$ chickens.

10. The following is only one of many possible solutions:

$$\boxed{888 + 777 - 999 = 666}$$