

1. $\triangle = 9, \odot = 3$

2. $\triangle = 4, \heartsuit = 8$

3. $\odot = 8, \triangle = 3, \heartsuit = 5, \diamondsuit = 9$

4. This problem had no solution.

5. $\boxed{45}$

6. (a) $\boxed{2}$

(b) $\boxed{4}$

(c) $\boxed{16}$

7. We can use the symbols $\spadesuit, \diamondsuit, \heartsuit, \clubsuit$ to represent the weight of a melon, a pear, a tangerine, and a peach respectively.

Then we can set up equations using our symbols:

$$\spadesuit = 2 \times \diamondsuit$$

$$\diamondsuit = 9 \times \heartsuit$$

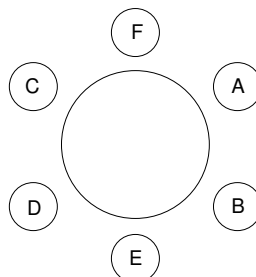
$$\heartsuit = 2 \times \clubsuit$$

We can then begin substituting:

$$\begin{aligned} \spadesuit &= 2 \times \diamondsuit \\ &= 2 \times (9 \times \heartsuit) \\ &= 18 \times \heartsuit \\ &= 18 \times (2 \times \clubsuit) \\ &= \boxed{36} \times \clubsuit \end{aligned}$$

8. $\boxed{24}$

9.



10. $\boxed{8}$