



One quarter of 8 is 2.

One quarter of 16 is 4.

Two quarters of 8 is 4.

Two quarters of 16 is 8.

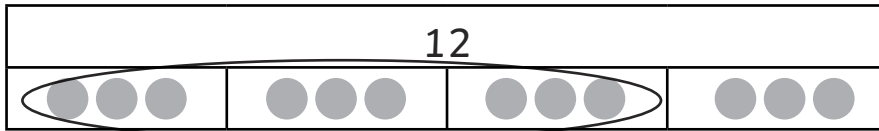
Three quarters of 8 is 6.

Three quarters of 16 is 12.

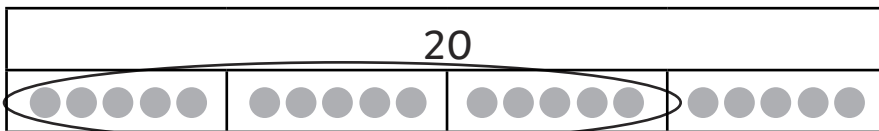
Four quarters of 8 is 8.

Four quarters of 16 is 16.

$$\frac{3}{4} \text{ of } 12 = 9$$



$$\frac{3}{4} \text{ of } 20 = 15$$



One mistake that Anna might have made is splitting the sweets into groups of 4 instead of four equal groups. Another possible mistake is that she has looked at the numerator to see how many groups to split the sweets into.



Anna should first look at the denominator to see how many parts (or groups) to split the whole into, and then the numerator to see how many parts to count. To find $\frac{3}{4}$, she should split the sweets into four equal groups and then count the sweets in three of the groups.

The correct answer is 9.



True. Three quarters of 16 is 12 and half of 20 is 10. Therefore, three quarters of 16 is greater than half of 20.

Three quarters of a number will always be greater than half of a number.

Children could find different ways to represent this for 8, 24 and 32.

Three quarters of 8 is 6, whereas half is 4.

Three quarters of 24 is 18, whereas half is 12.

Three quarters of 32 is 24, whereas half is 16.