

The background is a light peach color with various school supplies scattered around. At the top left is a black string tied in a knot. Next to it is a blue and orange marker. To the right is a blue paperclip. Further right are two orange rings. At the top right is a large black 'X'. On the left side, there are two orange brackets '[]'. Below them is an orange 'X'. At the bottom left is a black divider with two black dots. At the bottom center is an orange paperclip. At the bottom right is a large orange circle with a white center. On the far right is a blue and orange marker.

PERIMETER

The distance around the outside of a two-dimensional shape. It is calculated by adding together the lengths of all the sides of the shape.



OBJECTIVES

Students will understand the concept of perimeter and its significance in measuring the boundary of two-dimensional shapes.

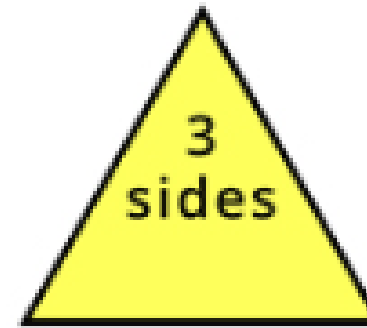
Students will be able to calculate the perimeter of various polygons.

FORMULA

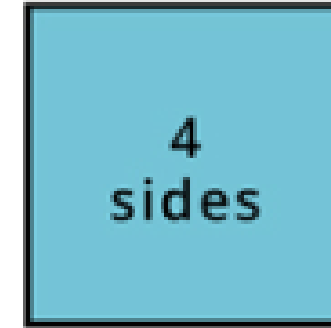
SIDE + SIDE

NOTE:

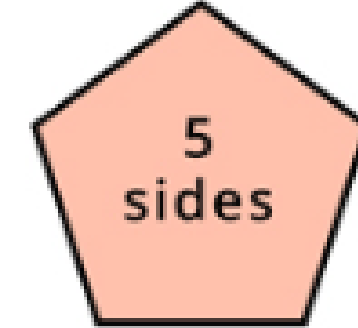
In perimeter you only need to add all the sides of shapes. So if ever you encounter unknown shapes like in polygons you can just count how many sides then get all the value of all sides then add.



Equilateral Triangle



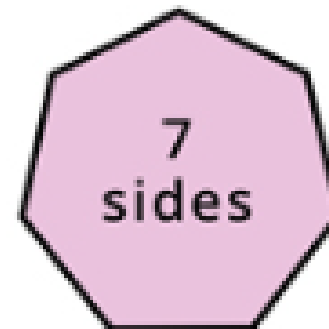
Square



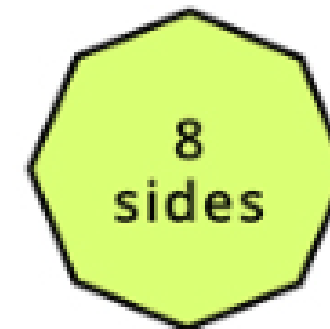
Regular Pentagon



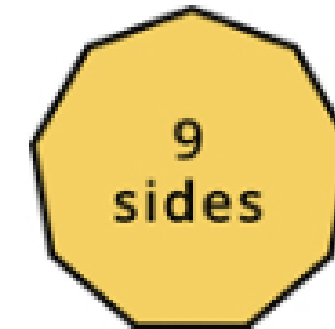
Regular Hexagon



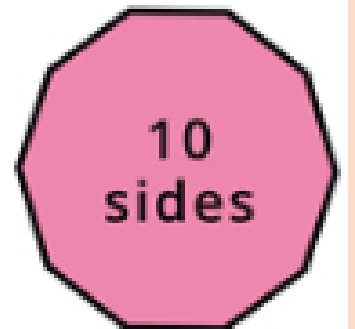
Regular Heptagon



Regular Octagon

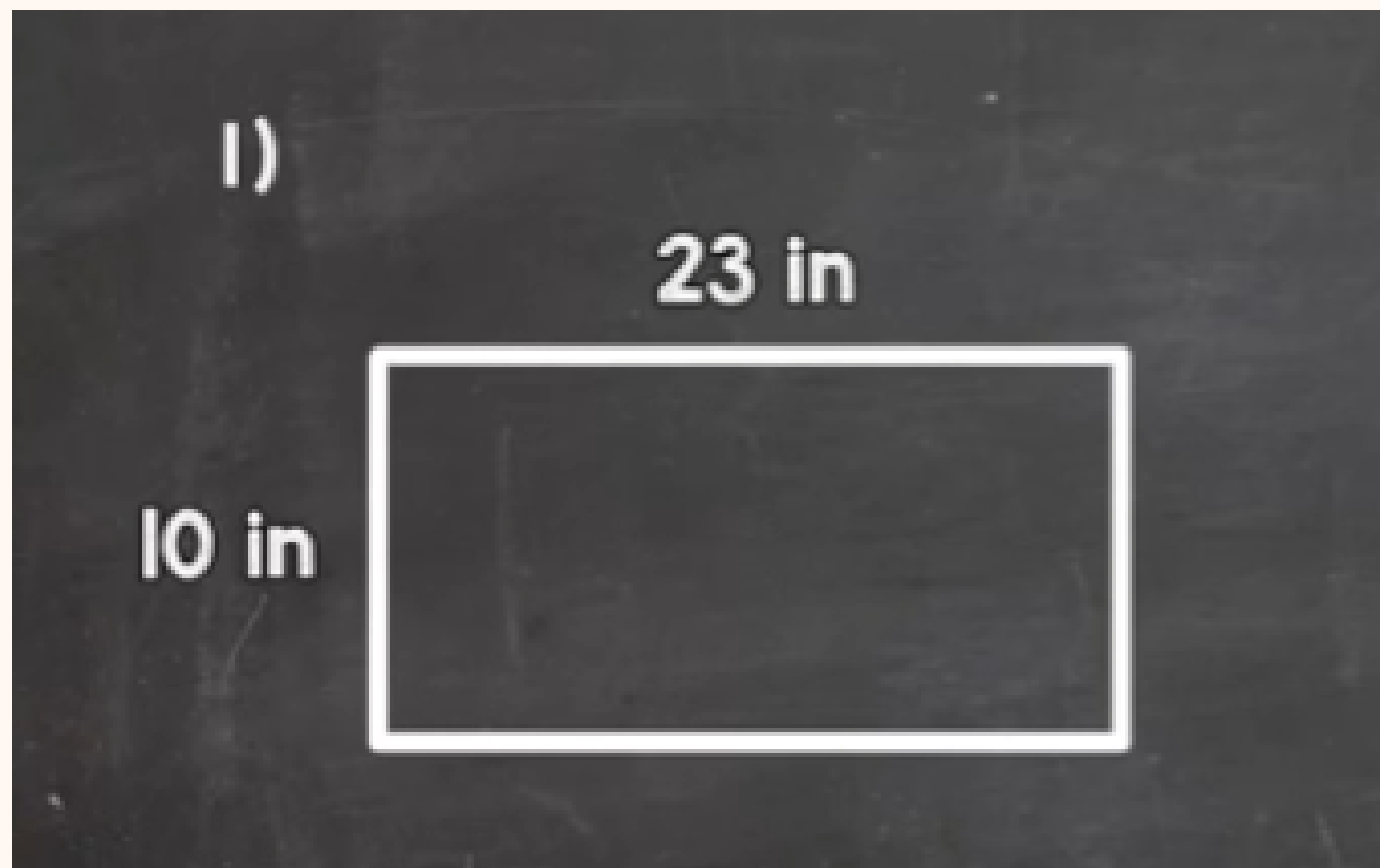


Regular Nonagon



Regular Decagon

EXAMPLE #1!



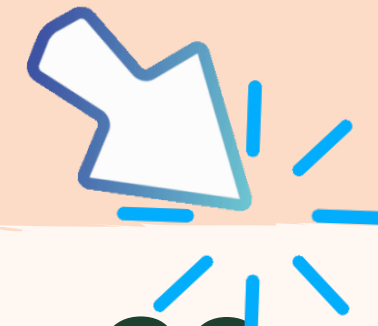
$$\text{A. } 12 + 23 + 10 + 25 = 70\text{in}$$

$$\text{B. } 10 + 23 + 10 + 23 = 66\text{in}$$

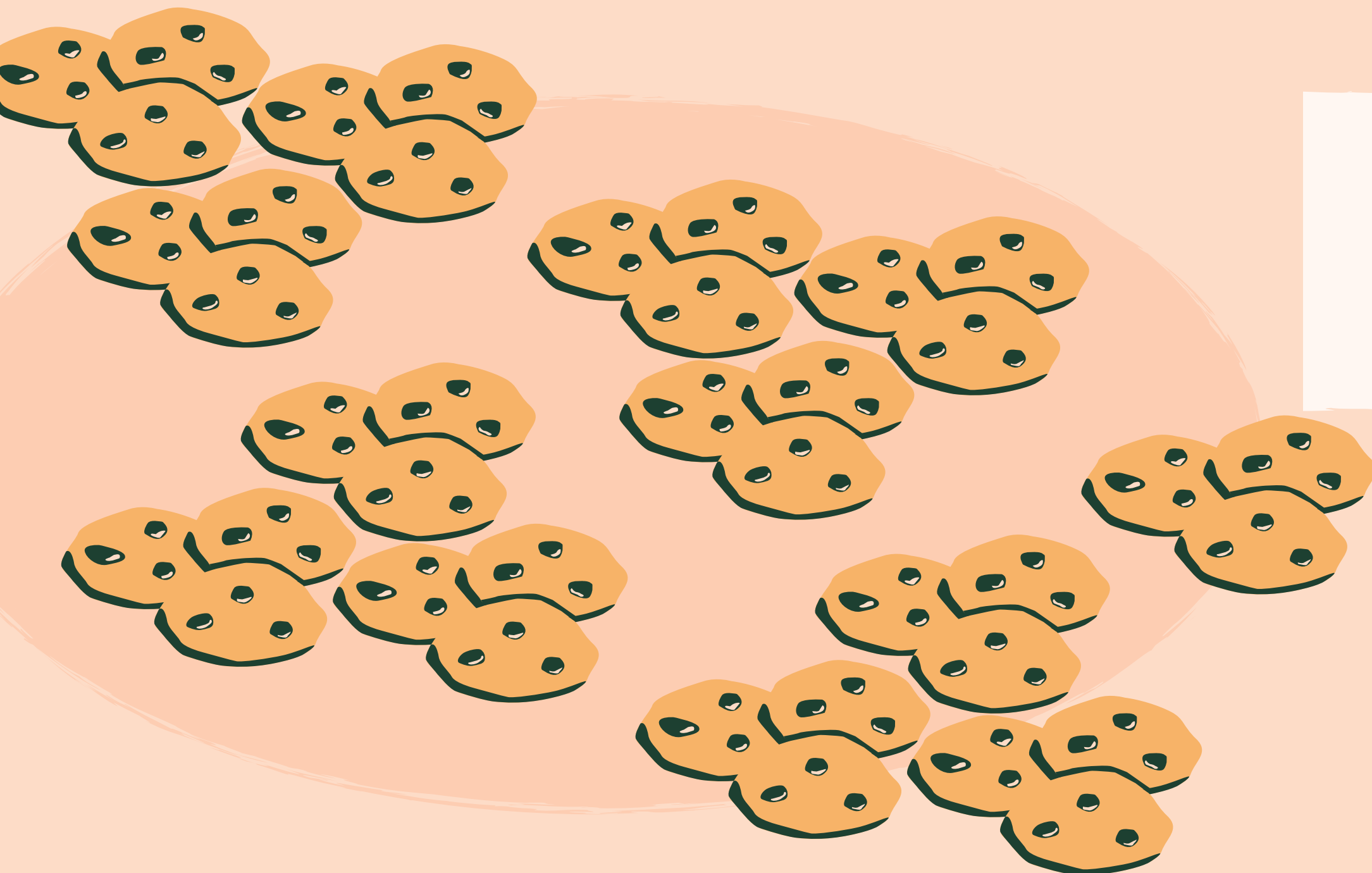
$$\text{C. } 10 + 24 + 11 + 23 = 68\text{in}$$

DISCOVERY TIME!

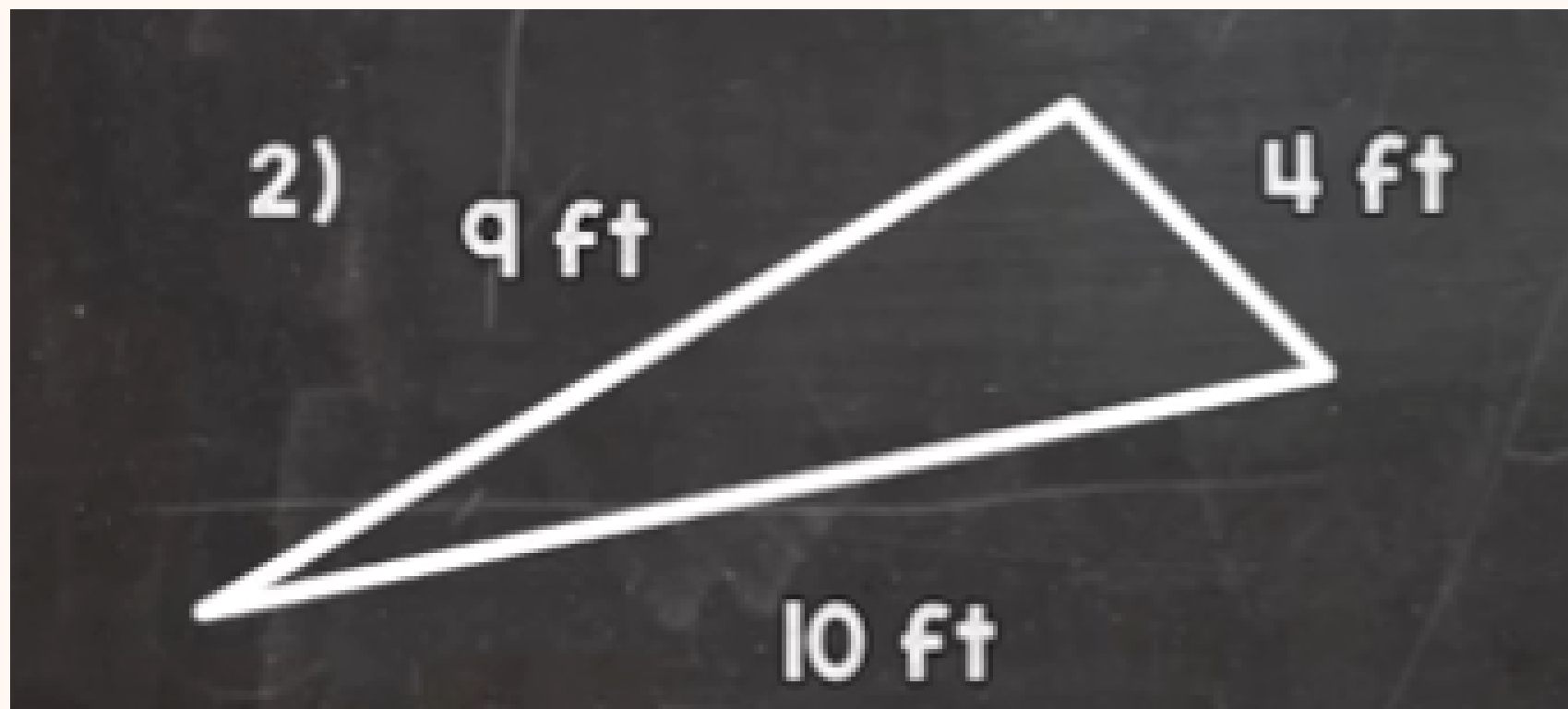
The correct answer is:



$$\text{B. } 10 + 23 + 10 + 23 = 66\text{in}$$



EXAMPLE #2!



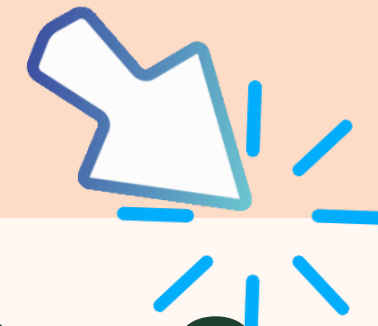
$$\text{A. } 10 + 9 + 4 = 23\text{ft}$$

$$\text{B. } 10 + 9 + 4 + 10 = 33\text{ft}$$

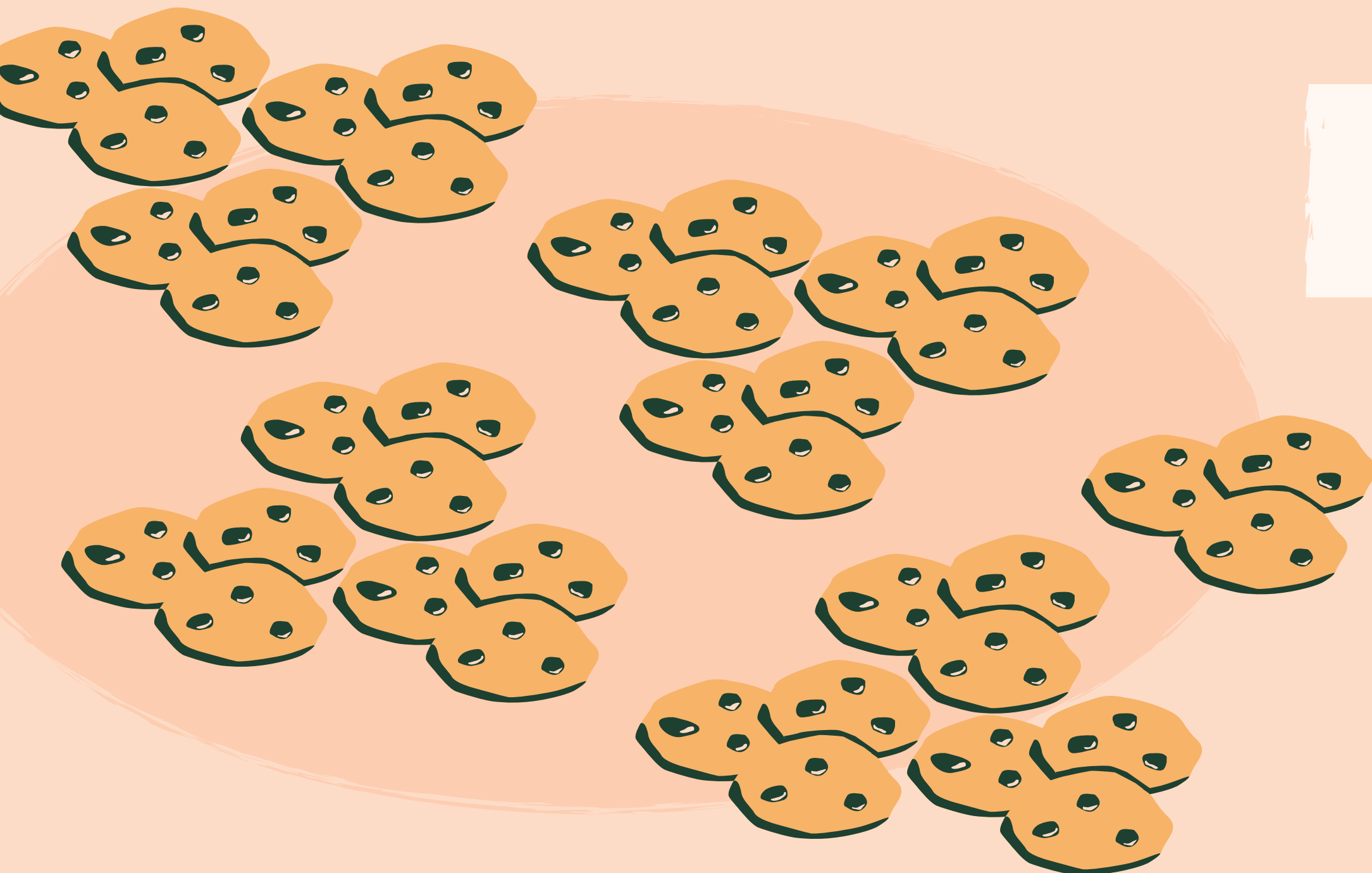
$$\text{C. } 10 + 4 + 9 + 15 = 38\text{ft}$$

DISCOVERY TIME!

The correct answer is:



$$\text{A. } 10 + 9 + 4 = 23\text{ft}$$



EXAMPLE #3!

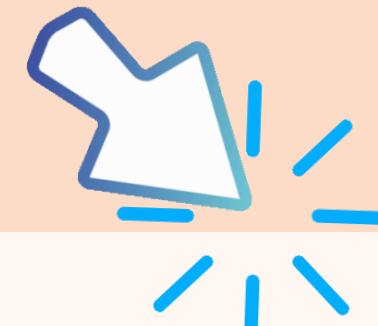
$$\text{A. } 8 + 5 + 4 + 6 + 10 = 33\text{m}$$

$$\text{B. } 8 + 5 + 4 + 6 + 5 = 28\text{m}$$

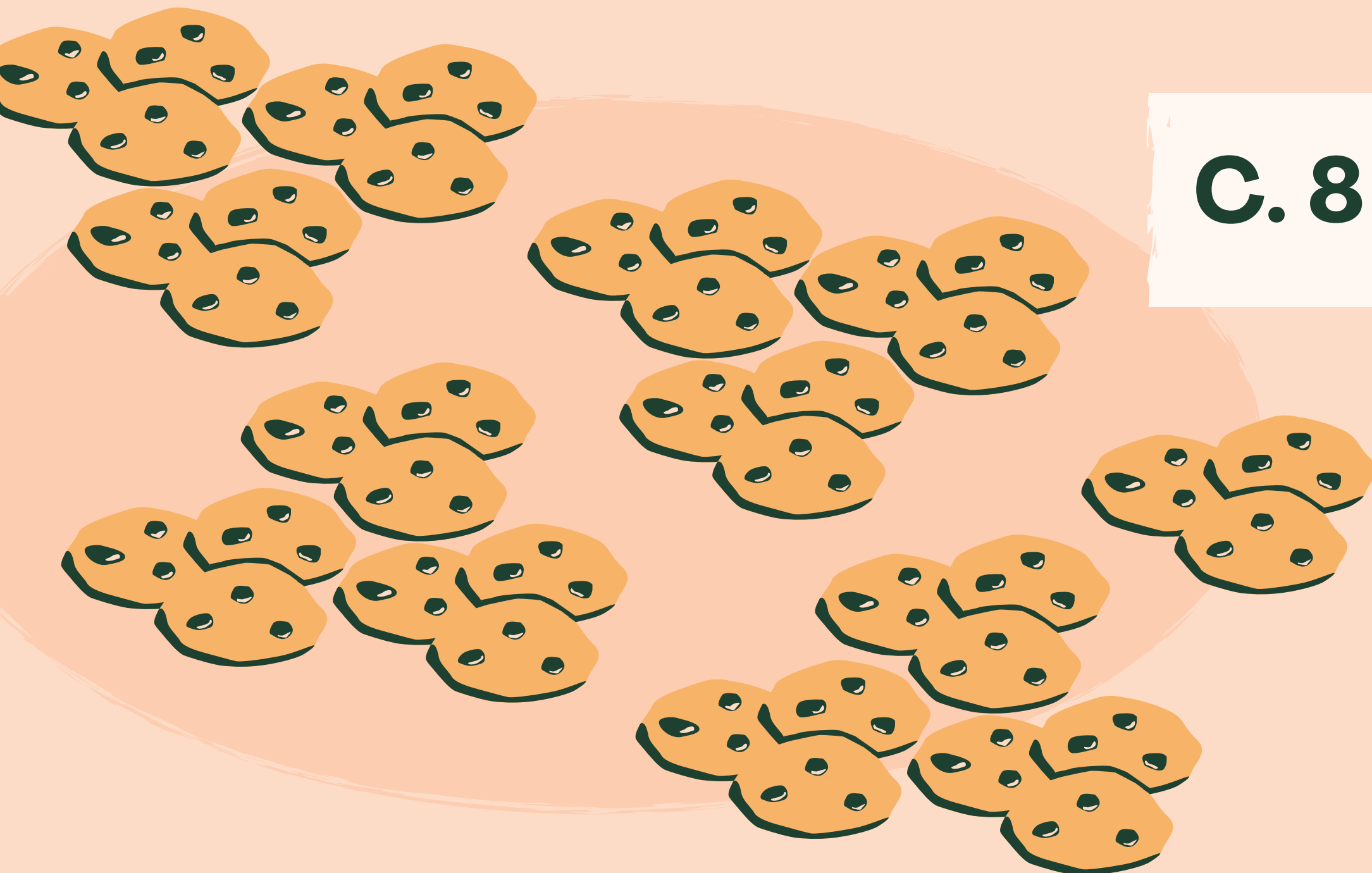
$$\text{C. } 8 + 5 + 4 + 3 + 3 + 3 = 26\text{m}$$

DISCOVERY TIME!

The correct answer is:



$$\text{C. } 8 + 5 + 4 + 3 + 3 + 3 = 26\text{m}$$



EXAMPLE #4!



4) A rectangular living room has a width of 23 ft and a length of 32 ft. What is the perimeter of the living room?

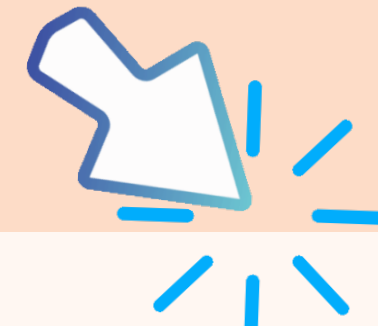
A. $23 + 32 + 25 + 35 = 115\text{ft}$

B. $23 + 32 + 23 + 32 = 110\text{ft}$

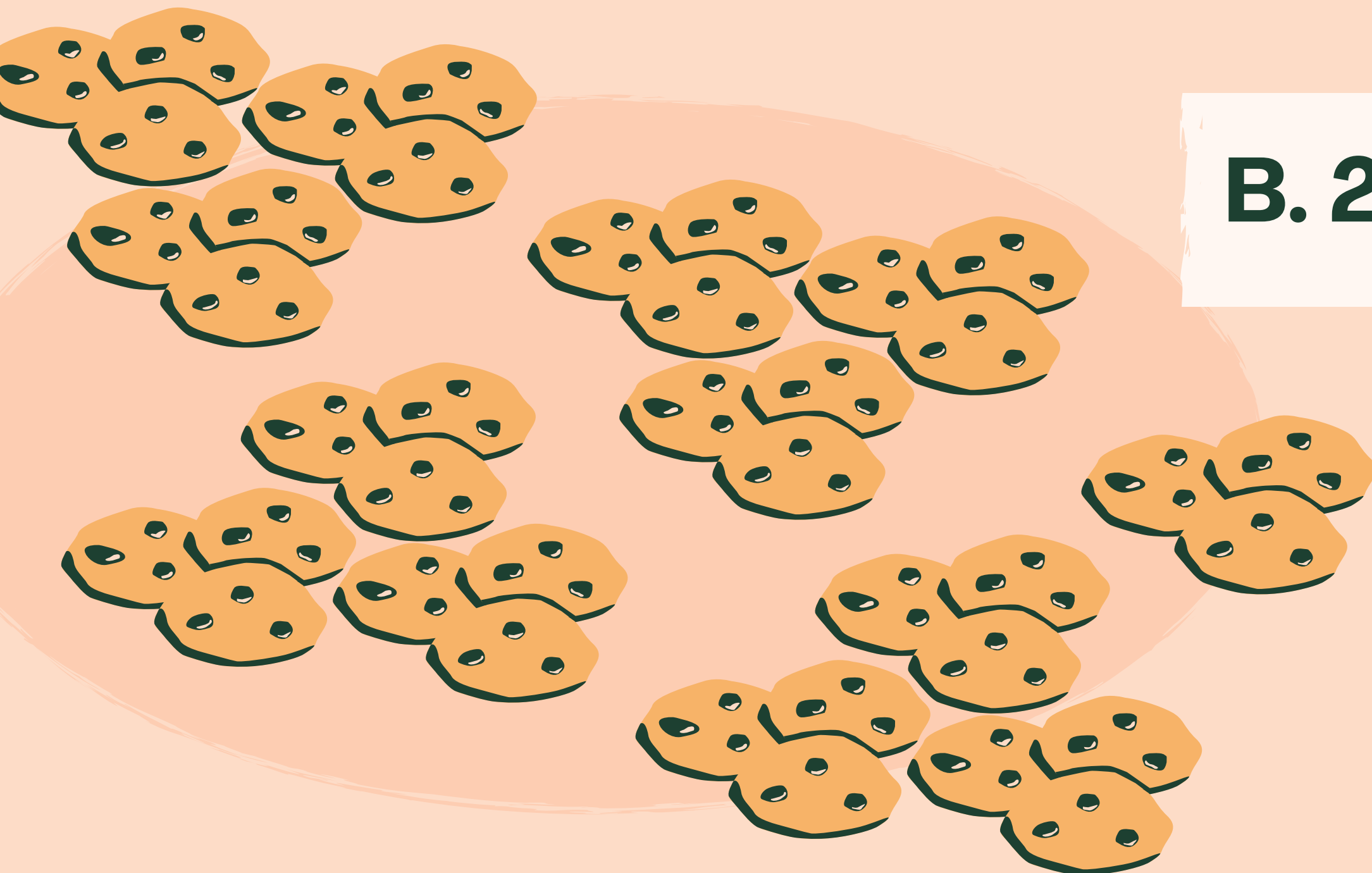
C. $28 + 38 + 23 + 32 = 121\text{ft}$

DISCOVERY TIME!

The correct answer is:



$$\text{B. } 23 + 32 + 23 + 32 = 110\text{ft}$$



SEE YOU NEXT TIME

