



CALCULATOR OF AREAS AND PERIMETERS OF GEOMETRIC FIGURES

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A decorative graphic on the left side of the slide features a white circle containing several overlapping geometric shapes in various colors: red, pink, light blue, yellow, orange, and white. Below the circle, there are small, scattered yellow circles of different sizes.

DESCRIPTION:

*With the help of this
program, you can calculate
the perimeter or area of any
two-dimensional geometric
figure you prefer.*



DESIGN:

This programme will also be designed to be useful especially for young children who will be seeing these topics from primary school onwards and will be essential for their studies

THE GEOMETRIC FIGURES CAN BE:

-

STANDARD POLYGON

which all sides are of all the same length and at the same angles.

-
- NON-STANDARD POLYGON**

with sides and/or angles of differing lengths and sizes.

INSTRUCTION:

1

First select if you want to calculate a perimeter or an area

2.1

Perimeter:

3.1

select your geometric figure to evaluate, it could be
Standard polygon or Non-standard polygon

4.1

You will give value to each side of the polygon to be
calculated

EXAMPLE:

Hello! what do you need to calculate today? perimeter or area of your geometric figure?

perimeter

Is that a standard figure?

yes

Which geometric figure would be ?

triangle

How much is the first side worth?

3

How much is the second side worth?

4

How much is the third side worth?

5

The calculated perimeter
of the triangle is:12

End the program

INSTRUCTION:

2.2

Area:

3.2

You will select your geometric figure to evaluate

4.2

You will enter the requested data depending on your choice of geometric figure

EXAMPLE:

Hello! what do you need to calculate today?
perimeter or area of your geometric figure?
area

Is that a standard figure?

no

How many squares does your geometric figure
make up? 1

How many triangles does your geometric figure
make up ? 1

How many rectangles is your geometric figure
composed of? 0

How many circles make up your geometric
figure? 0

How many rhombuses is your geometric figure
composed ? 0

How many parallelograms is your geometric
figure composed ? 0

How many trapezes does your geometric figure
make up ? 0

How many polygons larger or equal to 5 sides
is your geometric figure composed? 0

How much is the side of the square worth? 4

How much is the base of the triangle? 2

How much is the height of the triangle? 1

The calculated area of the figure is:17

End the program



THANK you!

