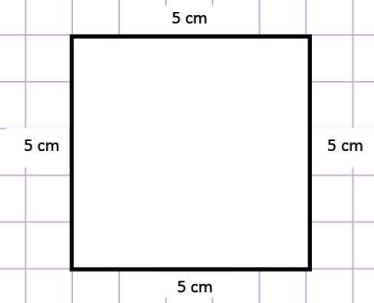
Name: ..... Class: .....

How to identify parallelograms

Verify the properties of each figure below and state whether they are parallelogram.

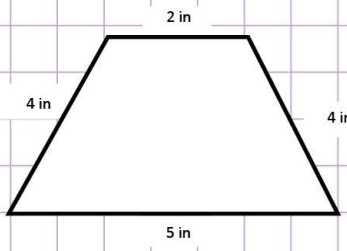
a.



For a figure to be a parallelogram it should have all the 3 properties.

- ☐ It is a plane closed figure.
- ☐ The opposite sides are parallel.
- ☐ The opposite sides are equal in length.

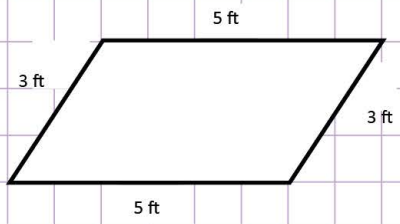
b.



For a figure to be a parallelogram it should have all the 3 properties.

- ☐ It is a plane closed figure.
- ☐ The opposite sides are parallel.
- ☐ The opposite sides are equal in length.

c.



For a figure to be a parallelogram it should have all the 3 properties.

- ☐ It is a plane closed figure.
- ☐ The opposite sides are parallel.
- ☐ The opposite sides are equal in length.

Solution

mathskills4kids

Name: ..... Class: .....

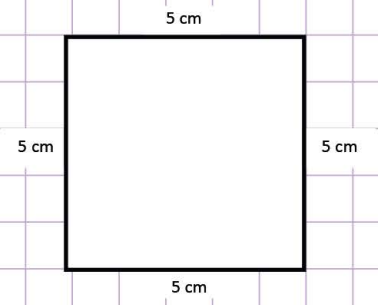
How to identify parallelograms

Properties of parallelograms:

- It is a plane closed figure.
- The opposite sides are parallel.
- The opposite sides are equal in length.

Verify the properties of each figure below and state whether they are parallelogram.

a.

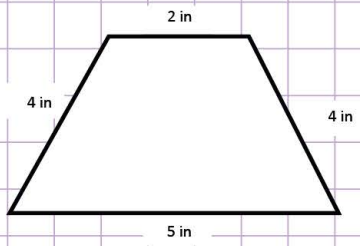


For a figure to be a parallelogram it should have all the 3 properties.

- ☑ It is a plane closed figure.
- ☑ The opposite sides are parallel.
- ☑ The opposite sides are equal in length.

So, this figure is a parallelogram because it fulfills all the properties of a parallelogram.

b.

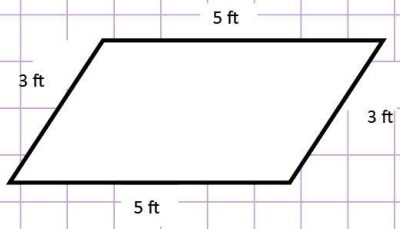


For a figure to be a parallelogram it should have all the 3 properties.

- ☑ It is a plane closed figure.
- ☒ The opposite sides are parallel.
- ☒ The opposite sides are equal in length.

So, this figure is not a parallelogram because it doesn't fulfill all the properties of a parallelogram.

c.



For a figure to be a parallelogram it should have all the 3 properties.

- ☑ It is a plane closed figure.
- ☑ The opposite sides are parallel.
- ☑ The opposite sides are equal in length.

So, this figure is a parallelogram because it fulfills all the properties of a parallelogram.