Cosmo School

Class-5

Subject-Mathematics

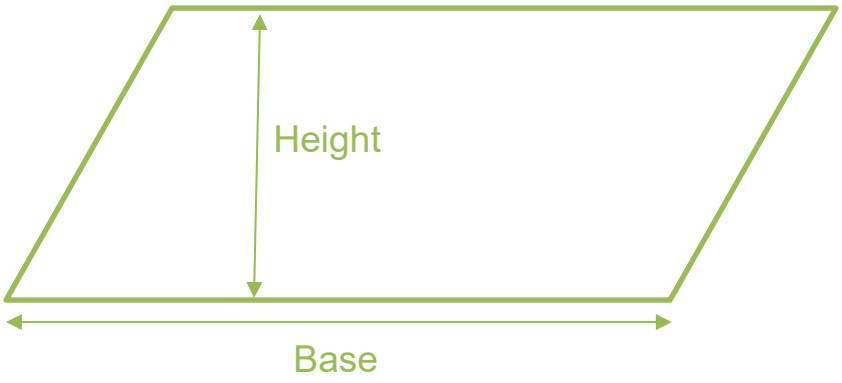
Chapter-11

Measurement

Lecture-8

What is parallelogram?

A parallelogram is a four-sided shape in which each side is parallel to the side opposite.



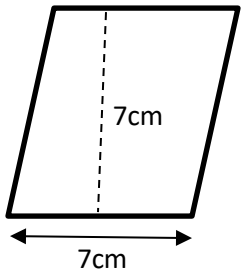
Area of parallelogram = Base × Height

Base = Area ÷ Height

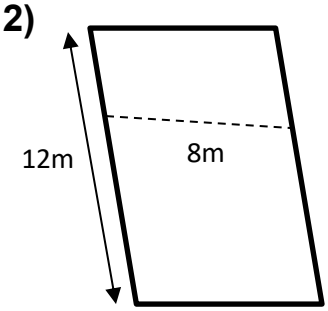
Height = Area ÷ Base

**** Calculate the area of the parallelograms:**

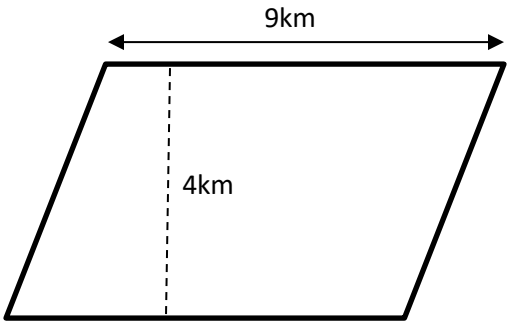
1)



2)



3)



Solution:

1) Given,

Base = 7cm

Height = 7cm

We know,

Area of parallelogram = Base × Height

= (7 × 7) Sq. cm

= 49 Sq. cm

Ans: 49 Sq. cm.

2) Given,

Base = 12m

Height = 8m

We know,

Area of parallelogram = Base × Height

= (12 × 8) Sq. m

= 96 Sq. m

Ans: 96 Sq. m.

3) Given,

Base = 9km

Height = 4km

We know,

Area of parallelogram = Base × Height

= (9 × 4) Sq. km

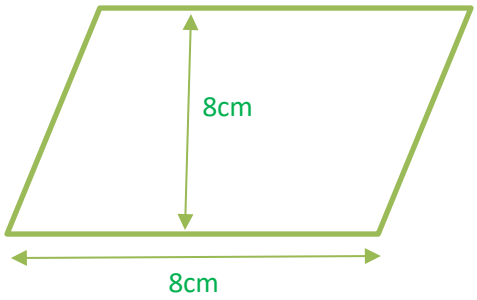
= 36 Sq. km

Ans: 36 Sq. km.

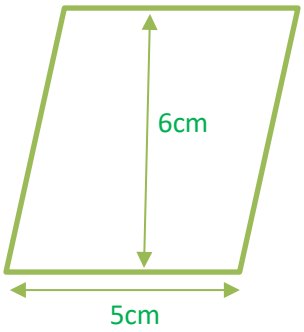
1. Exercise (Do yourself)

** Calculate the area of the parallelograms:

a)



b)



**** Calculate the area of the parallelograms:**

1) Base = 2cm, Height = 12cm

2) Base = 2.5km, Height = 2km

Solution:

1) Given,

Base = 2cm

Height = 12cm

We know,

Area of parallelogram = Base × Height

= (2 × 12) Sq. cm

= 24 Sq. cm

Ans: 24 Sq. cm.

2) Given,

Base = 2.5km

Height = 2km

We know,

Area of parallelogram = Base × Height

= (2.5 × 2) Sq. km

= 5 Sq. km

Ans: 5 Sq. km.

2. Exercise (Do yourself)

** Calculate the area of the parallelograms:

a) Base = 8cm, Height = 6cm

b) Base = 3m, Height = 5m