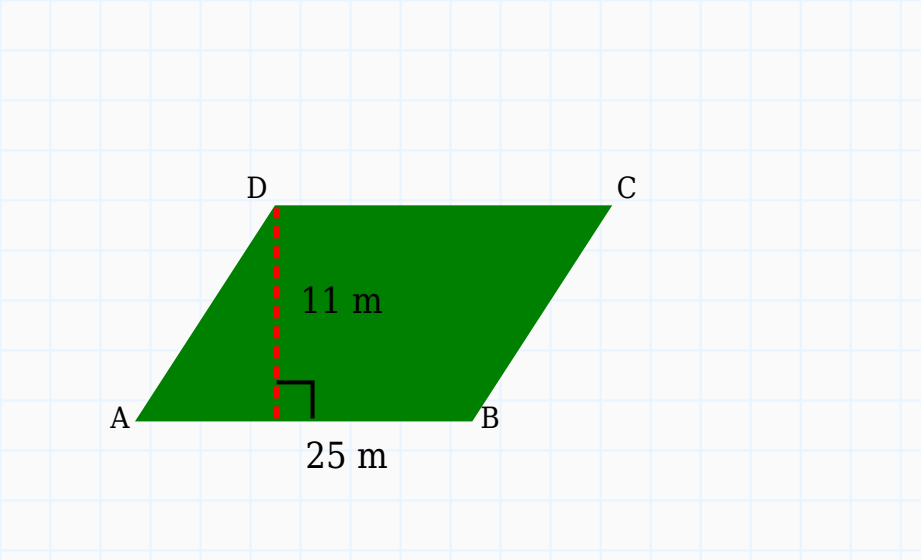
Area of Parallelogram Worksheet

Question 1

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

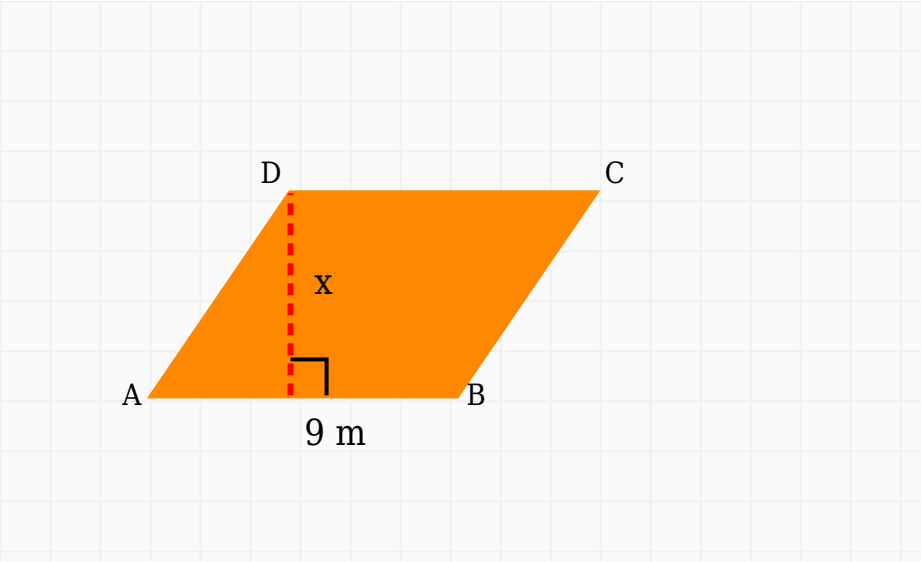
Area = 25 × 11

Area = 275 m²

Answer: 275 m²

Question 2

Calculate the height of a parallelogram having area 117 m² and base 9 m.



Solution:

Formula:
Height = Area ÷ Base

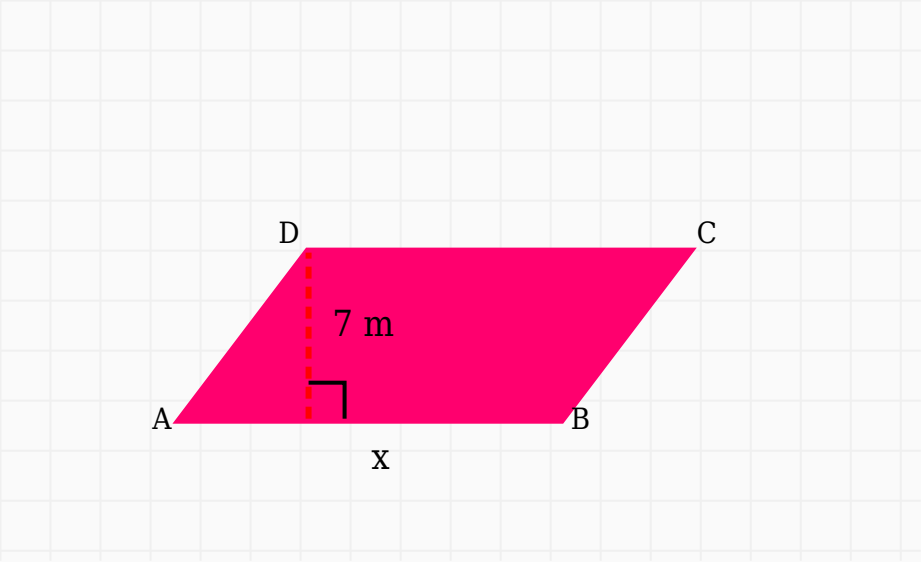
Height = 117 ÷ 9

Height = 13 m

Answer: 13 m

Question 3

A parallelogram has area 133 m² and perpendicular height 7 m. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

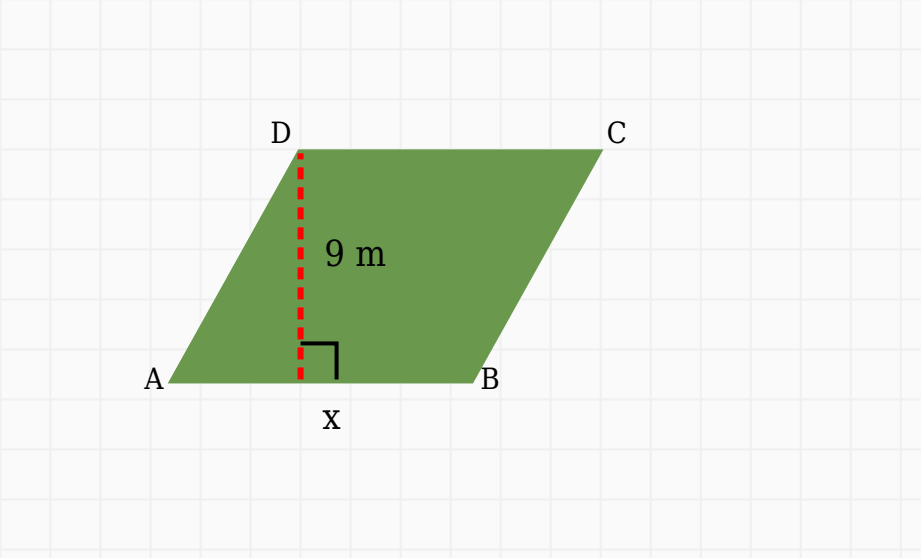
Base = 133 ÷ 7

Base = 19 m

Answer: 19 m

Question 4

The area of a parallelogram is 189 m² and height is 9 m. Find the base.



Solution:

Formula:
Base = Area ÷ Height

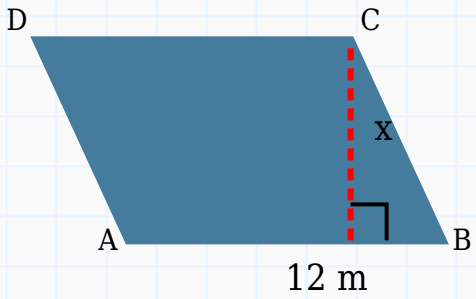
Base = 189 ÷ 9

Base = 21 m

Answer: 21 m

Question 5

The area of a parallelogram is 228 m² and base is 12 m. Find the height.



Solution:

Formula:
Height = Area ÷ Base

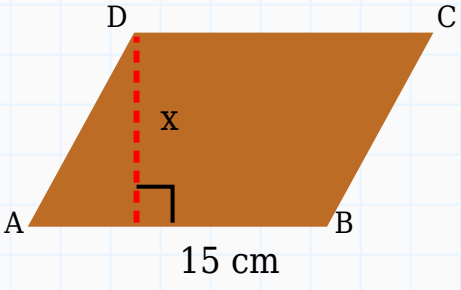
Height = 228 ÷ 12

Height = 19 m

Answer: 19 m

Question 6

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

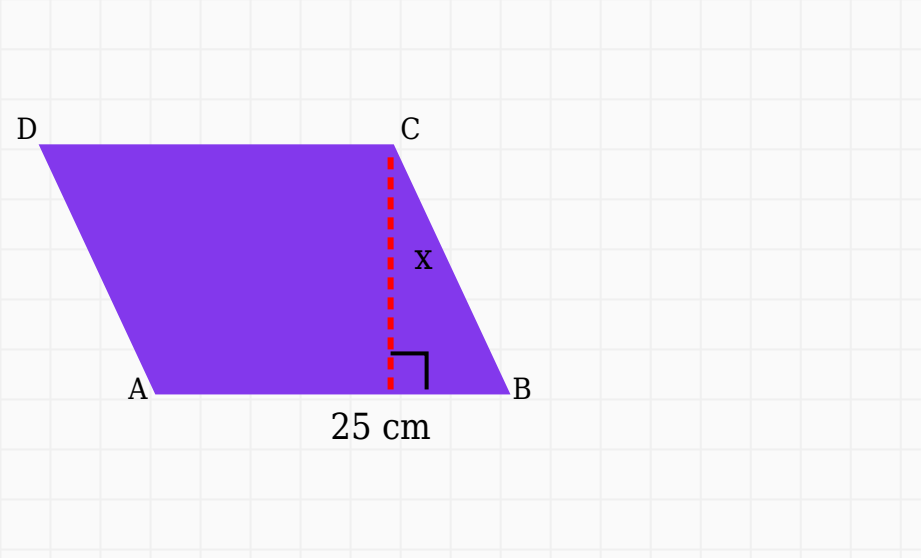
Height = 135 ÷ 15

Height = 9 cm

Answer: 9 cm

Question 7

The area of a parallelogram is 475 cm² and base is 25 cm. Find the height.



Solution:

Formula:
Height = Area ÷ Base

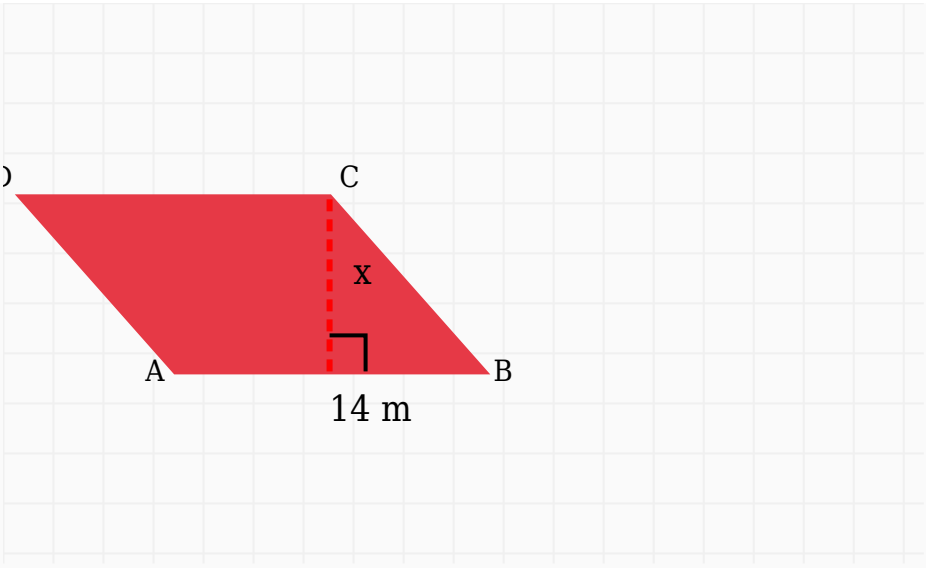
Height = 475 ÷ 25

Height = 19 cm

Answer: 19 cm

Question 8

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

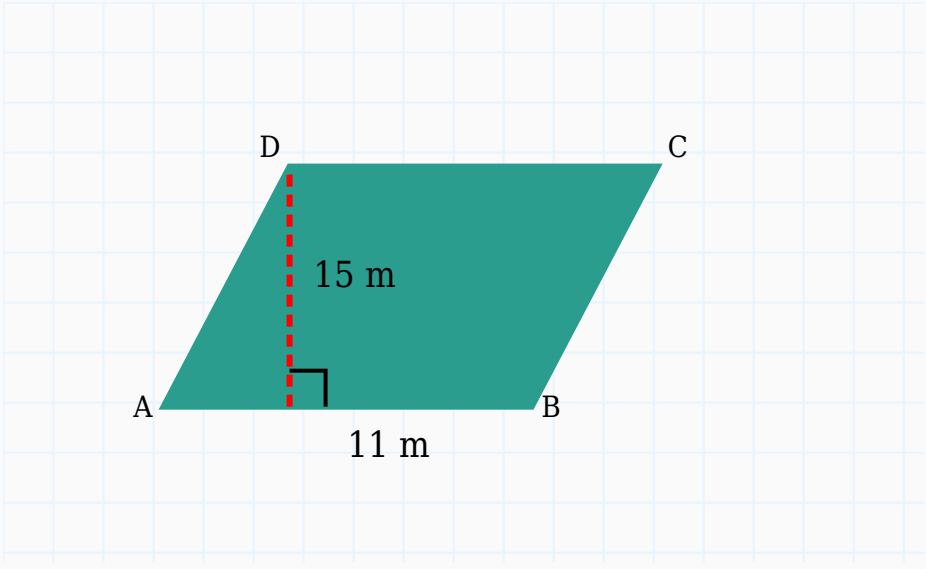
Height = 210 ÷ 14

Height = 15 m

Answer: 15 m

Question 9

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

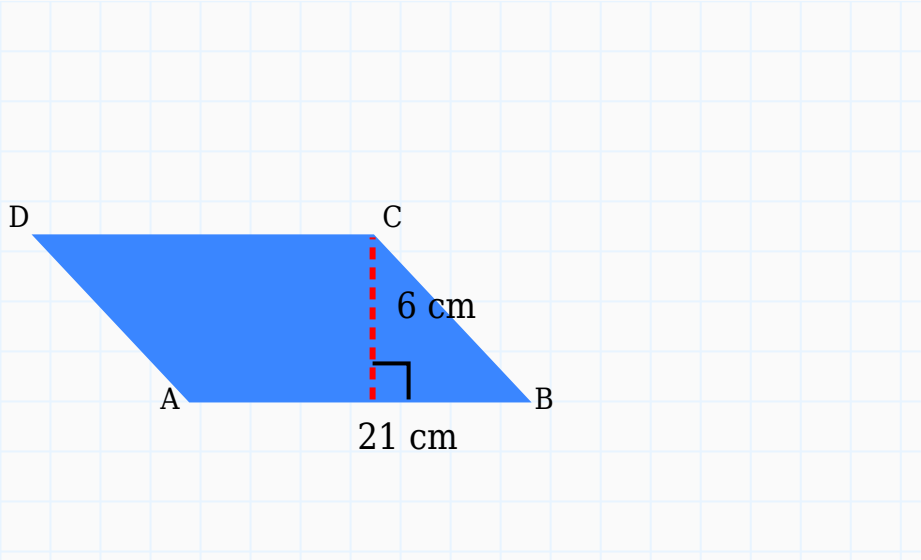
Area = 11 × 15

Area = 165 m²

Answer: 165 m²

Question 10

Find the area of a parallelogram with base 21 cm and height 6 cm.



Solution:

Formula:
Area = Base × Height

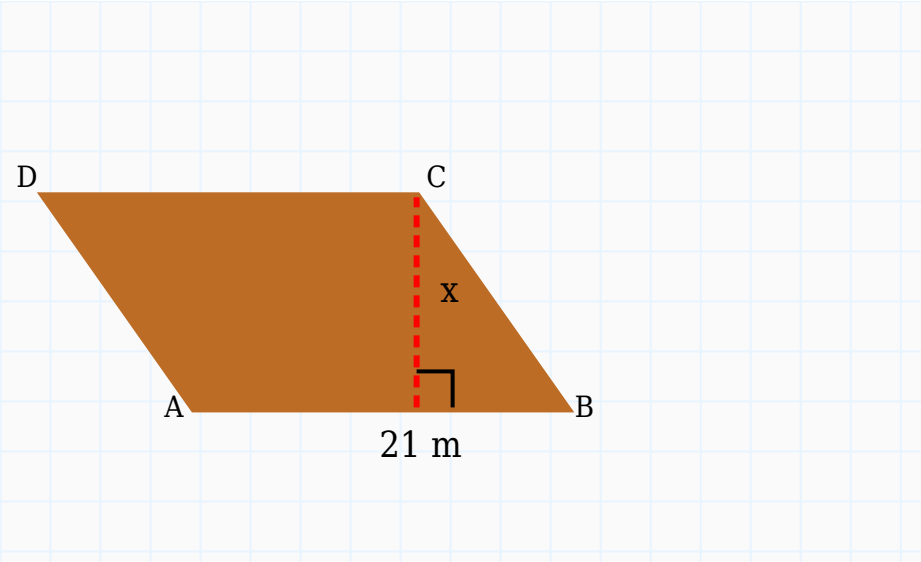
Area = 21 × 6

Area = 126 cm²

Answer: 126 cm²

Question 11

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

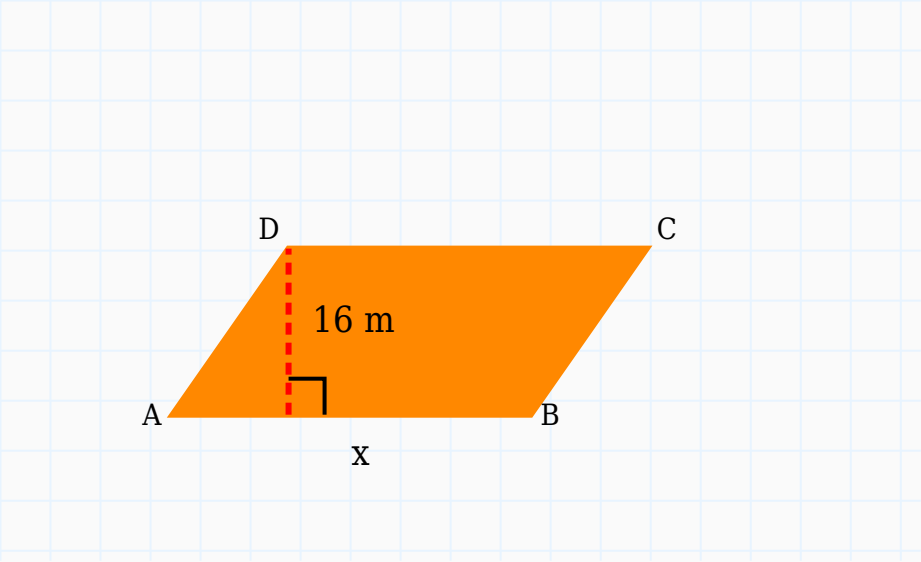
Height = 189 ÷ 21

Height = 9 m

Answer: 9 m

Question 12

A parallelogram has area 368 m² and perpendicular height 16 m. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

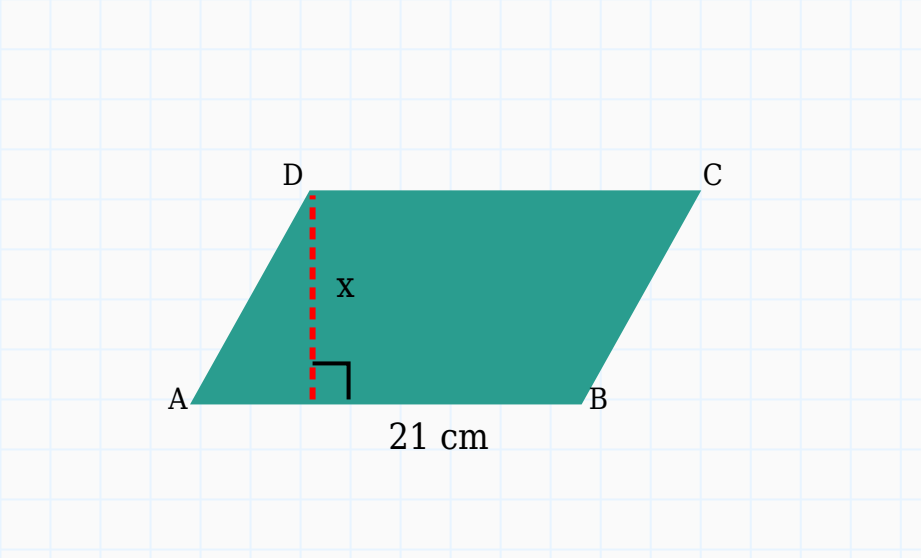
Base = 368 ÷ 16

Base = 23 m

Answer: 23 m

Question 13

Calculate the height of a parallelogram having area 378 cm² and base 21 cm.



Solution:

Formula:
Height = Area ÷ Base

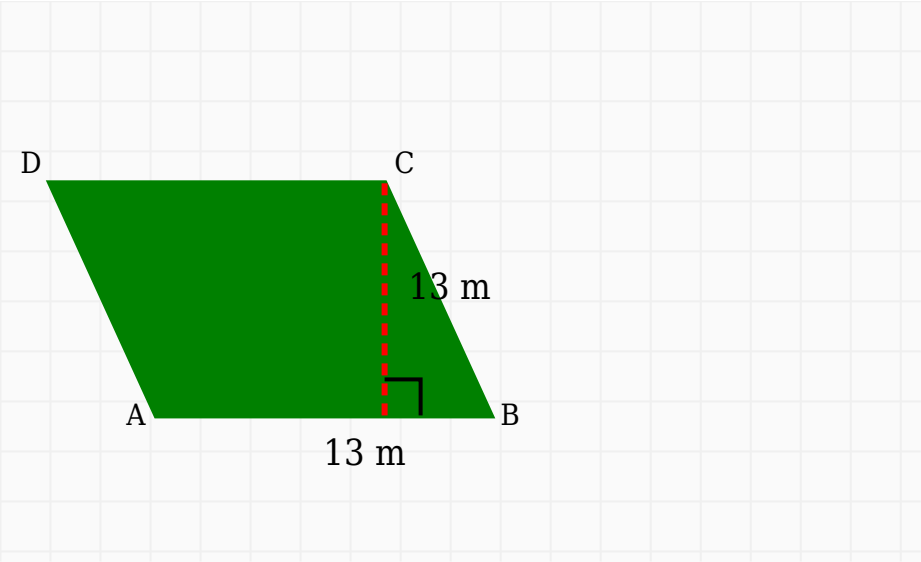
Height = 378 ÷ 21

Height = 18 cm

Answer: 18 cm

Question 14

Calculate the area of the parallelogram shown below.



Solution:

Formula:
Area = Base × Height

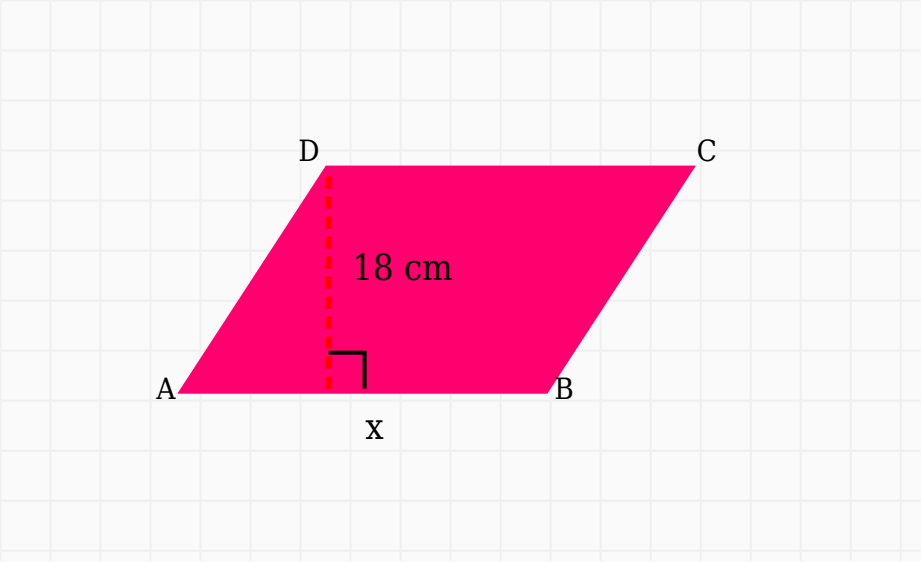
Area = 13 × 13

Area = 169 m²

Answer: 169 m²

Question 15

A parallelogram has area 144 cm² and perpendicular height 18 cm. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

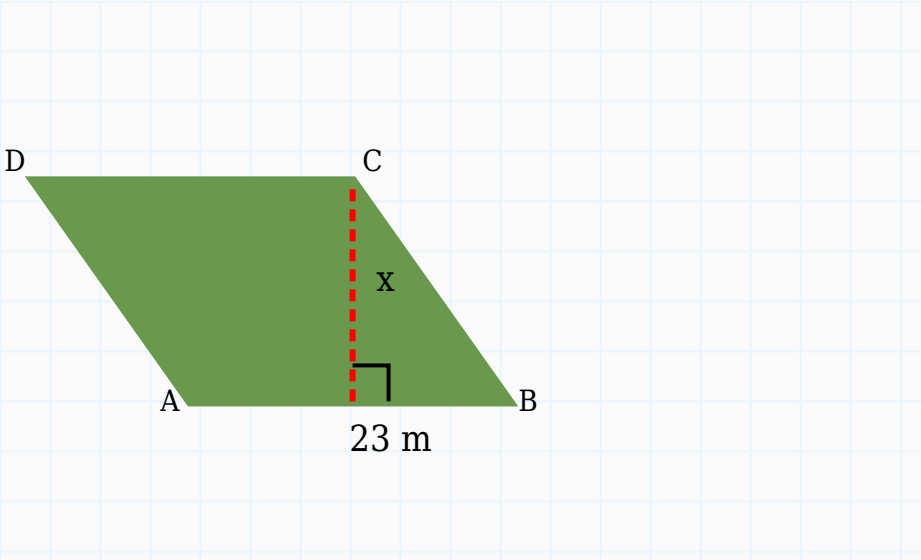
Base = 144 ÷ 18

Base = 8 cm

Answer: 8 cm

Question 16

The area of a parallelogram is 138 m² and base is 23 m. Find the height.



Solution:

Formula:
Height = Area ÷ Base

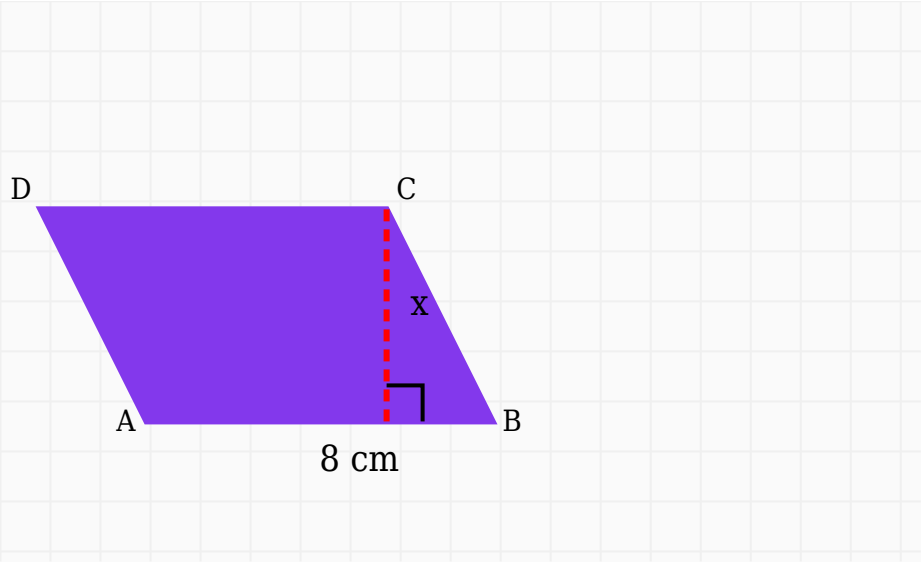
Height = 138 ÷ 23

Height = 6 m

Answer: 6 m

Question 17

The area of a parallelogram is 120 cm² and base is 8 cm. Find the height.



Solution:

Formula:
Height = Area ÷ Base

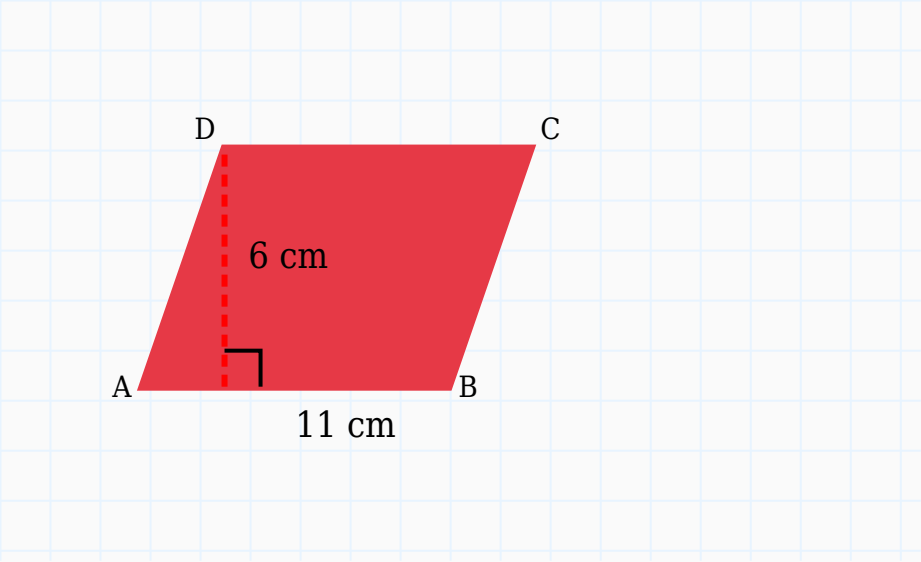
Height = 120 ÷ 8

Height = 15 cm

Answer: 15 cm

Question 18

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

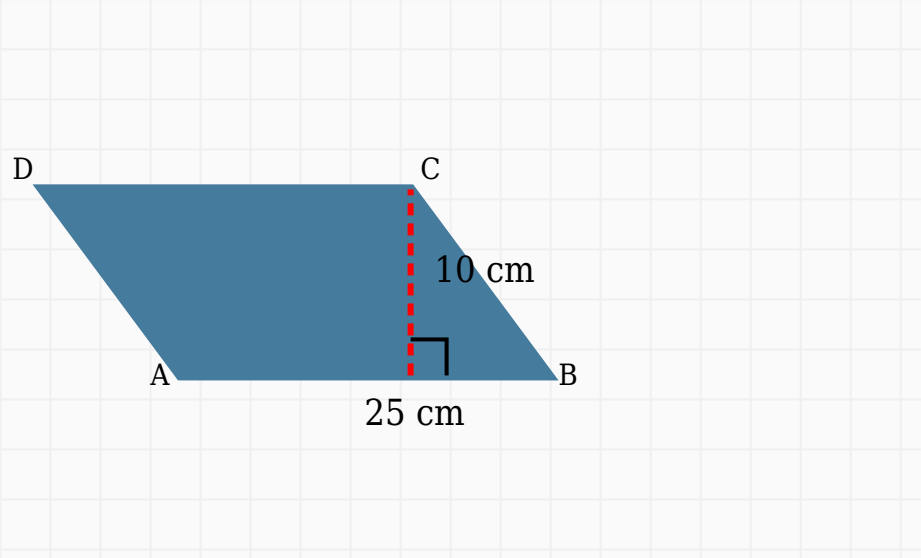
Area = 11 × 6

Area = 66 cm²

Answer: 66 cm²

Question 19

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

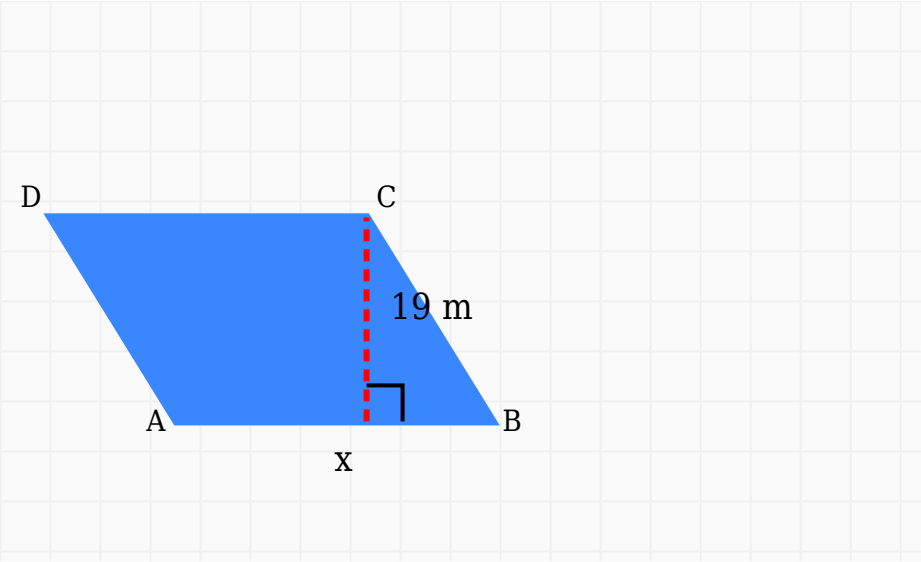
Area = 25 × 10

Area = 250 cm²

Answer: 250 cm²

Question 20

The area of a parallelogram is 285 m² and height is 19 m. Find the base.



Solution:

Formula:
Base = Area ÷ Height

Base = 285 ÷ 19

Base = 15 m

Answer: 15 m