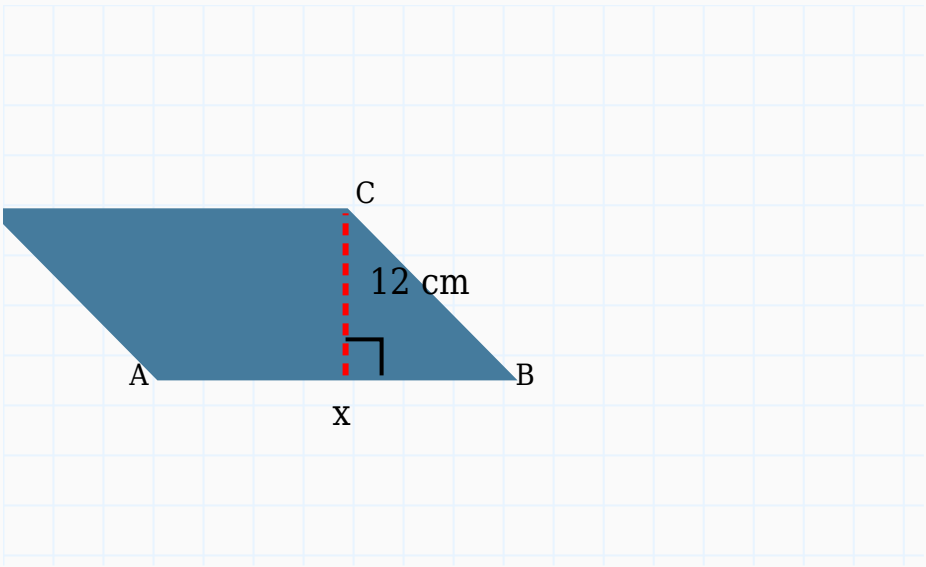
Area of Parallelogram Worksheet

Question 1

The area of a parallelogram is 300 cm² and height is 12 cm. Find the base.



Solution:

Formula:
Base = Area ÷ Height

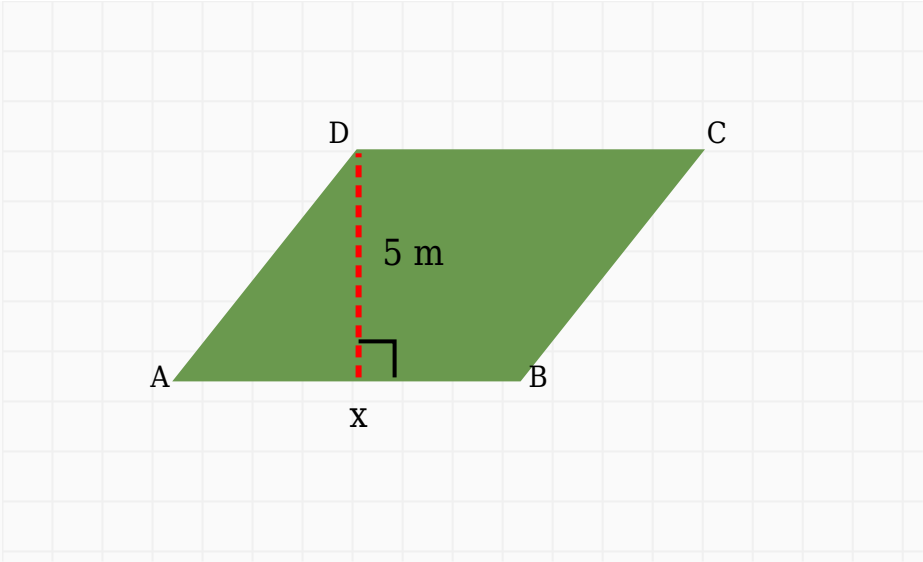
Base = 300 ÷ 12

Base = 25 cm

Answer: 25 cm

Question 2

Find the base of the parallelogram shown below.



Solution:

Formula:
Base = Area ÷ Height

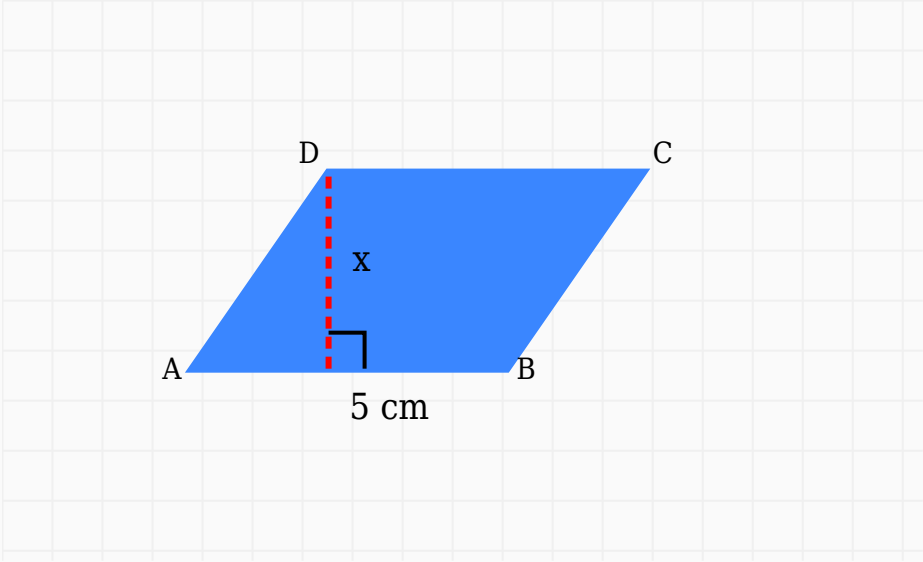
Base = 105 ÷ 5

Base = 21 m

Answer: 21 m

Question 3

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

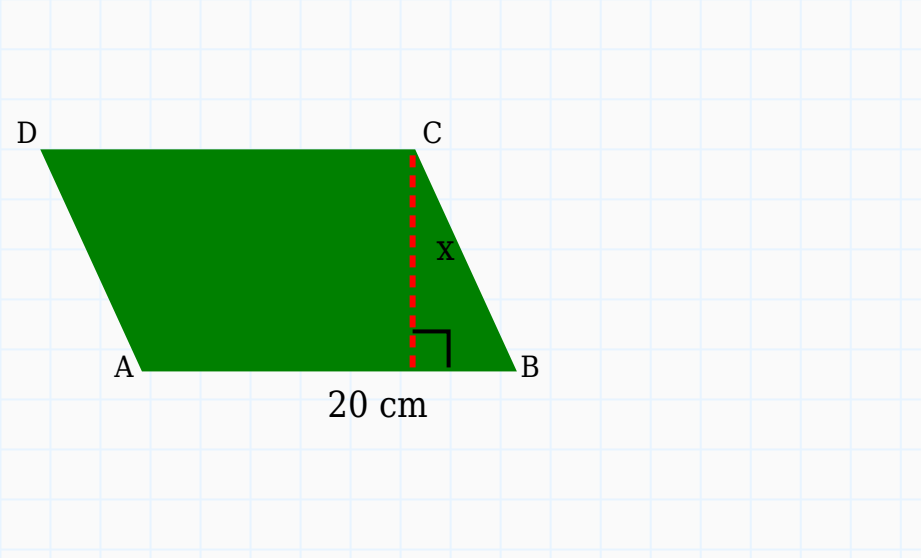
Height = 25 ÷ 5

Height = 5 cm

Answer: 5 cm

Question 4

Calculate the height of a parallelogram having area 340 cm² and base 20 cm.



Solution:

Formula:
Height = Area ÷ Base

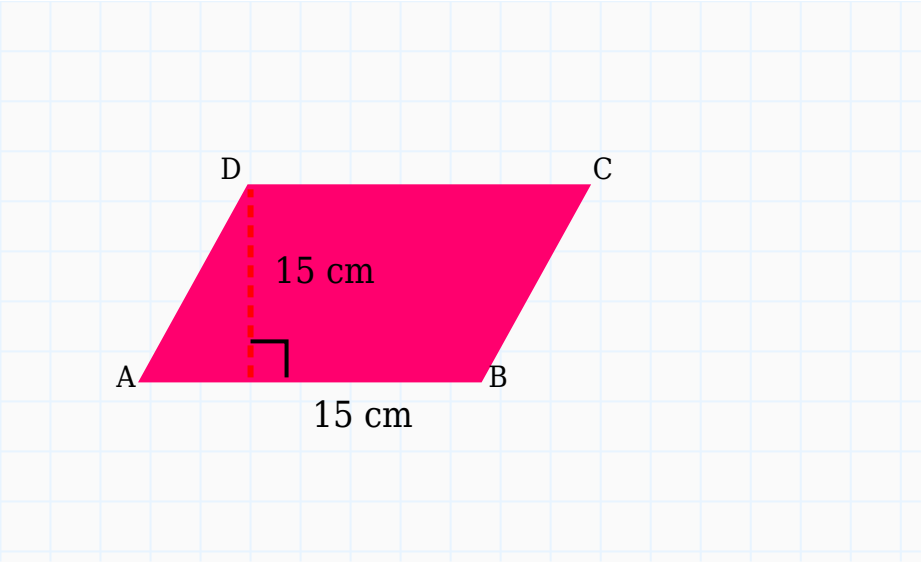
Height = 340 ÷ 20

Height = 17 cm

Answer: 17 cm

Question 5

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

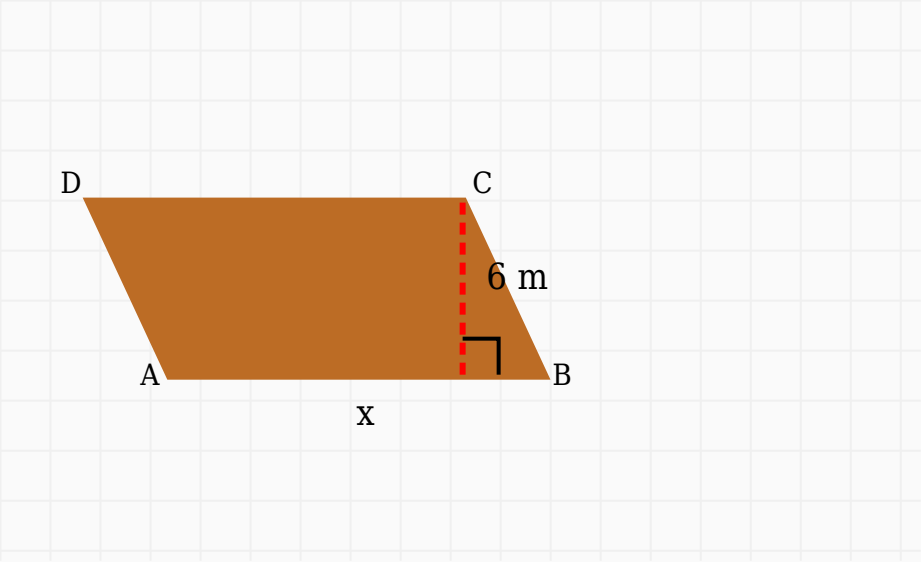
Area = 15 × 15

Area = 225 cm²

Answer: 225 cm²

Question 6

The area of a parallelogram is 102 m² and height is 6 m. Find the base.



Solution:

Formula:
Base = Area ÷ Height

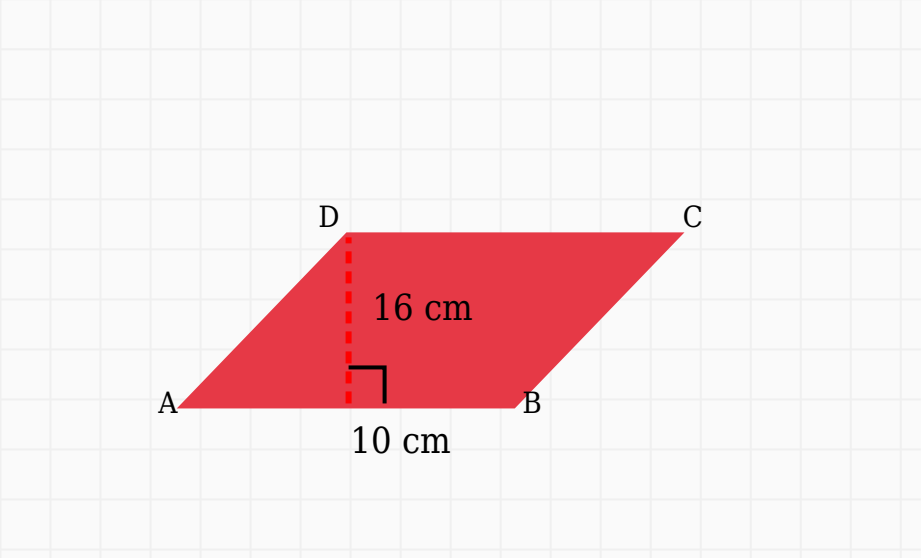
Base = 102 ÷ 6

Base = 17 m

Answer: 17 m

Question 7

Find the area of a parallelogram with base 10 cm and height 16 cm.



Solution:

Formula:
Area = Base × Height

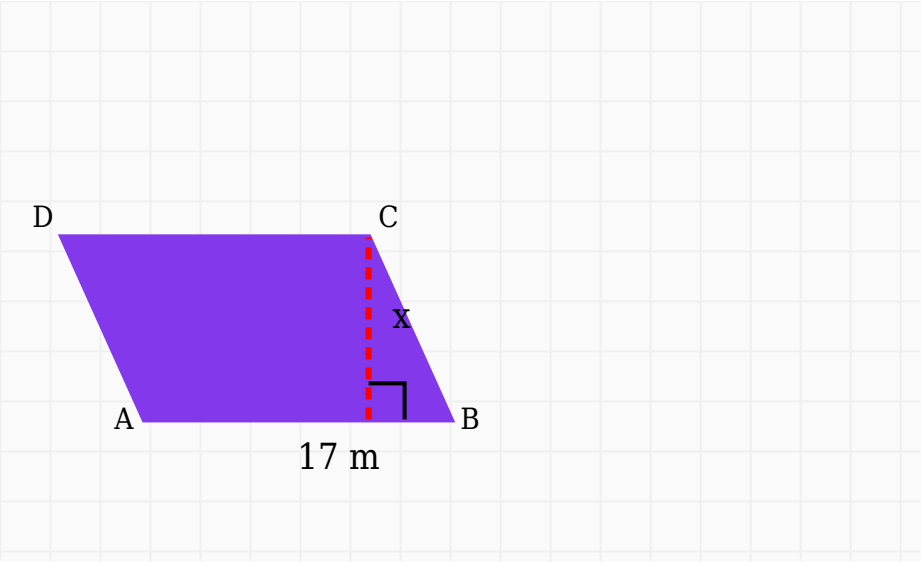
Area = 10 × 16

Area = 160 cm²

Answer: 160 cm²

Question 8

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

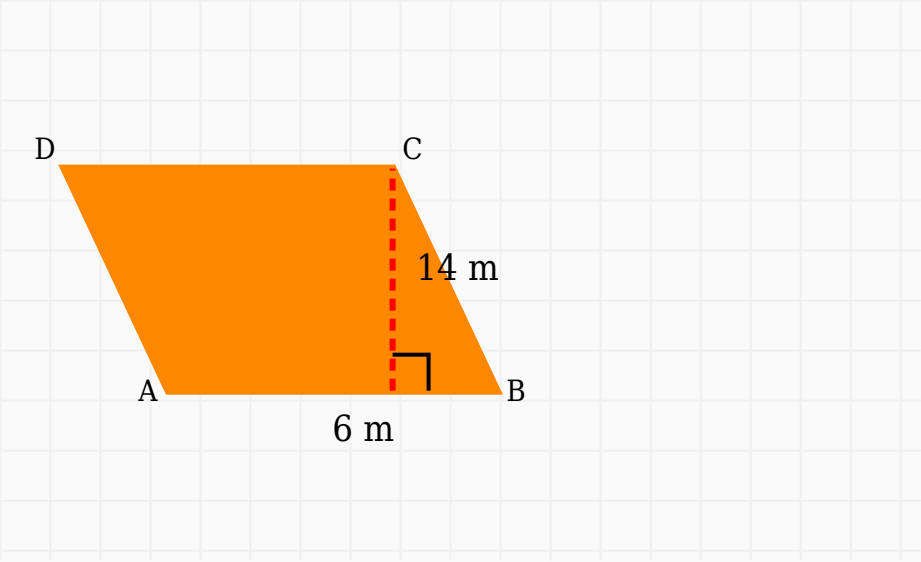
Height = 68 ÷ 17

Height = 4 m

Answer: 4 m

Question 9

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

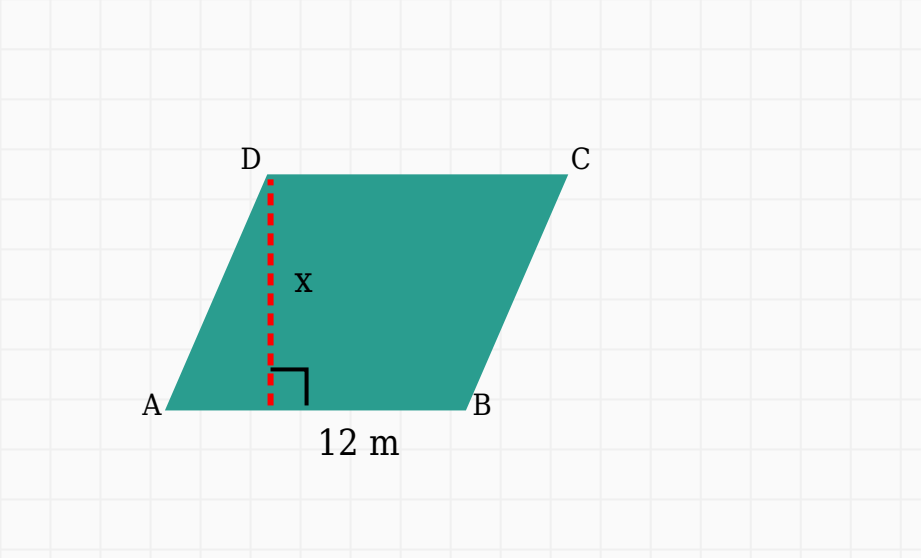
Area = 6 × 14

Area = 84 m²

Answer: 84 m²

Question 10

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

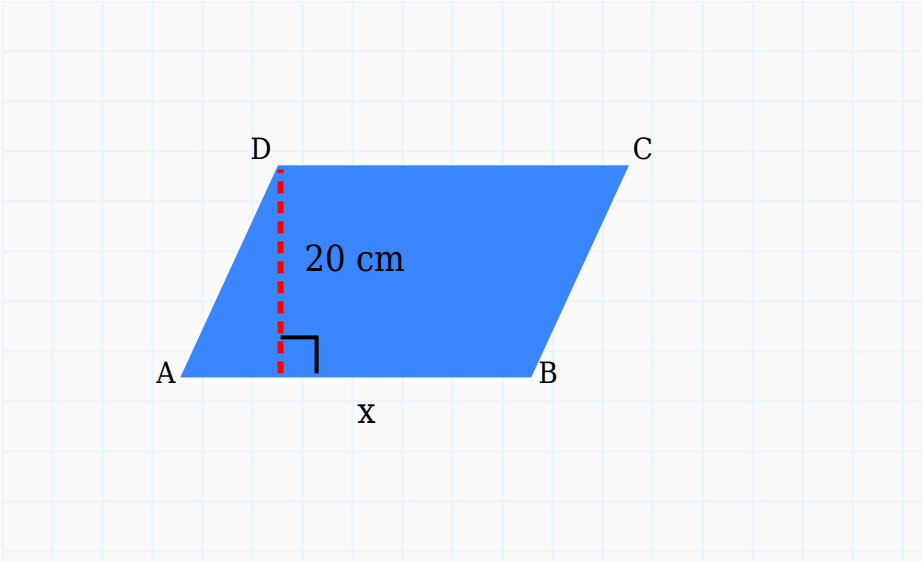
Height = 192 ÷ 12

Height = 16 m

Answer: 16 m

Question 11

The area of a parallelogram is 220 cm² and height is 20 cm. Find the base.



Solution:

Formula:
Base = Area ÷ Height

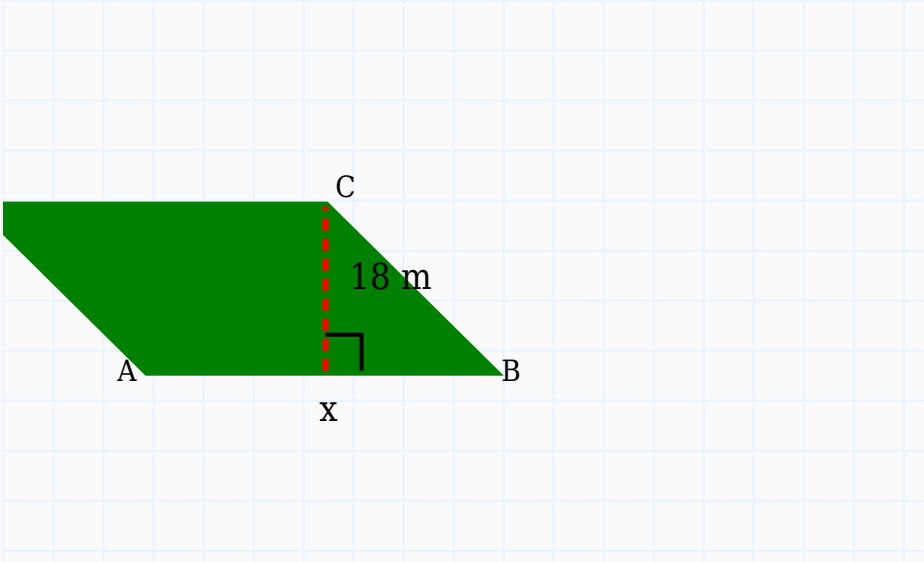
Base = 220 ÷ 20

Base = 11 cm

Answer: 11 cm

Question 12

A parallelogram has area 414 m² and perpendicular height 18 m. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

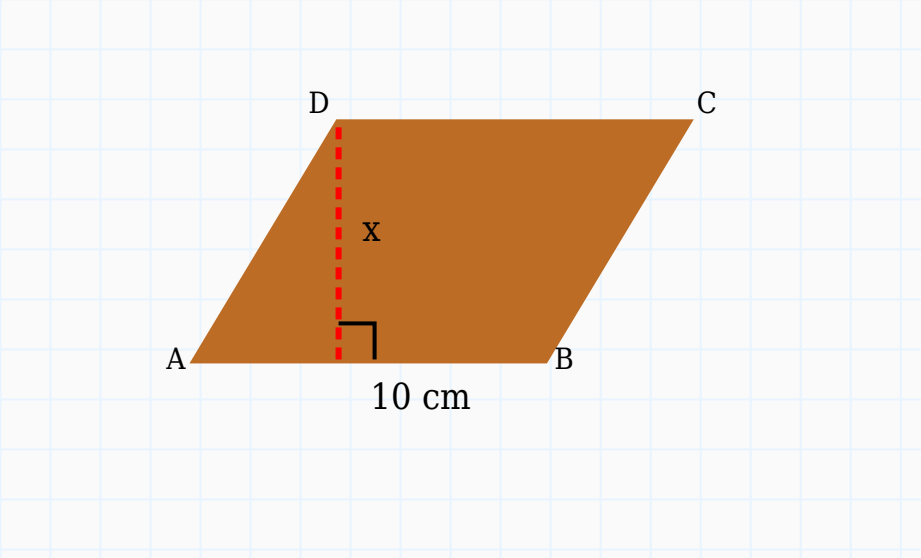
Base = 414 ÷ 18

Base = 23 m

Answer: 23 m

Question 13

Calculate the height of a parallelogram having area 70 cm² and base 10 cm.



Solution:

Formula:
Height = Area ÷ Base

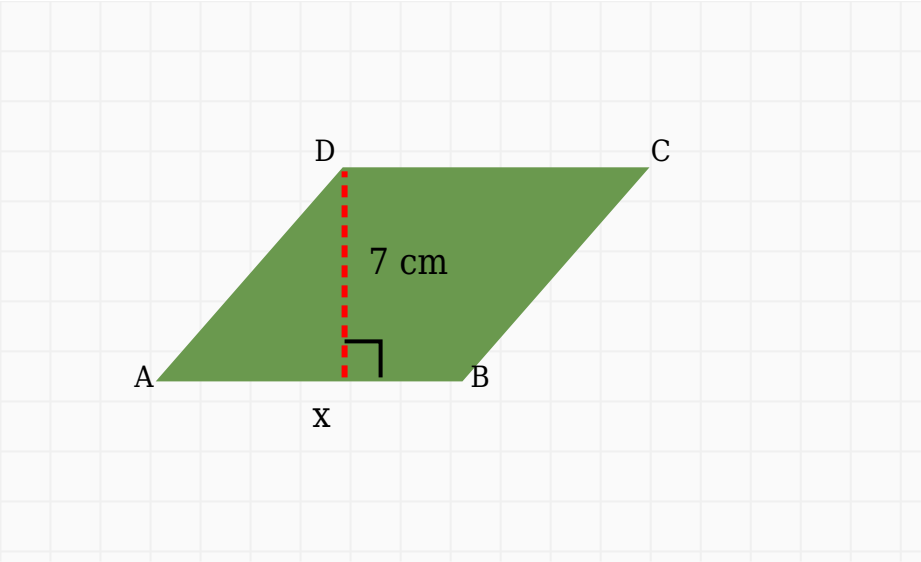
Height = 70 ÷ 10

Height = 7 cm

Answer: 7 cm

Question 14

Find the base of the parallelogram shown below.



Solution:

Formula:
Base = Area ÷ Height

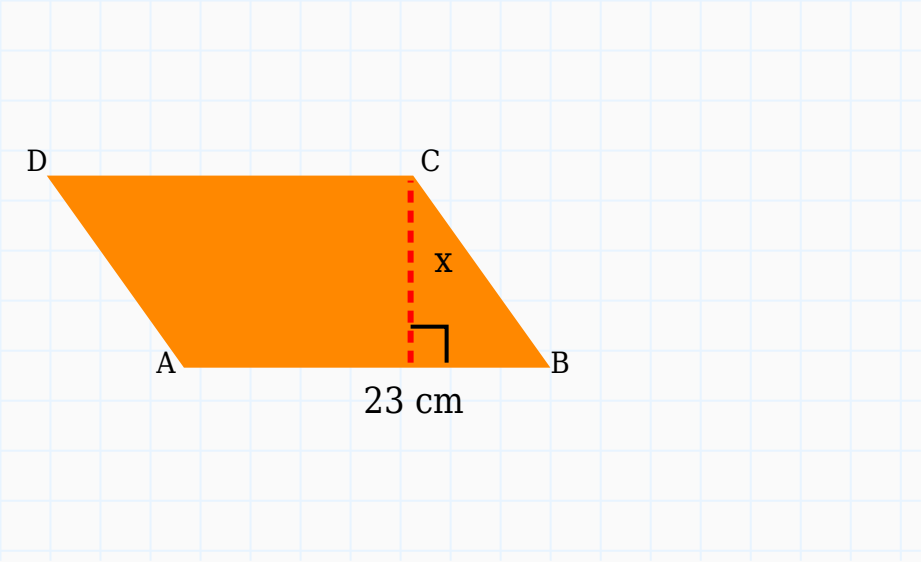
Base = 105 ÷ 7

Base = 15 cm

Answer: 15 cm

Question 15

The area of a parallelogram is 276 cm² and base is 23 cm. Find the height.



Solution:

Formula:
Height = Area ÷ Base

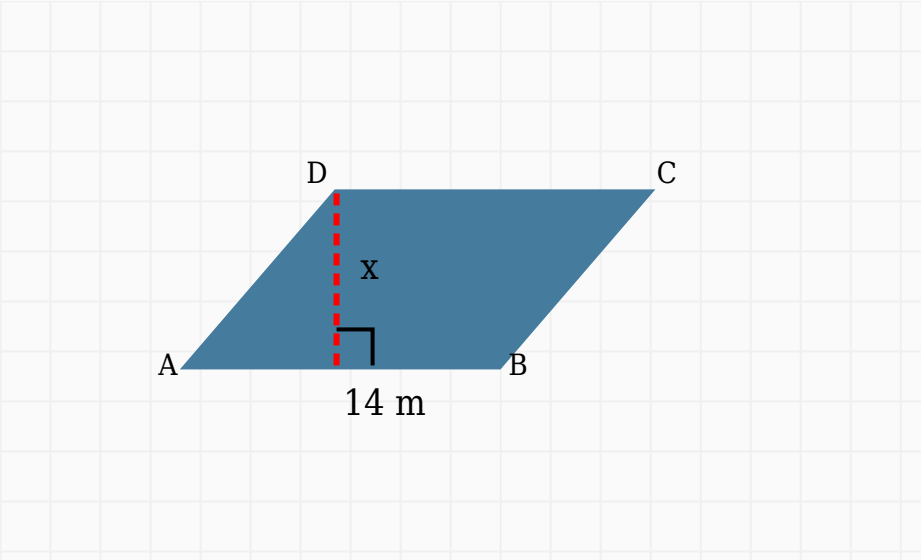
Height = 276 ÷ 23

Height = 12 cm

Answer: 12 cm

Question 16

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

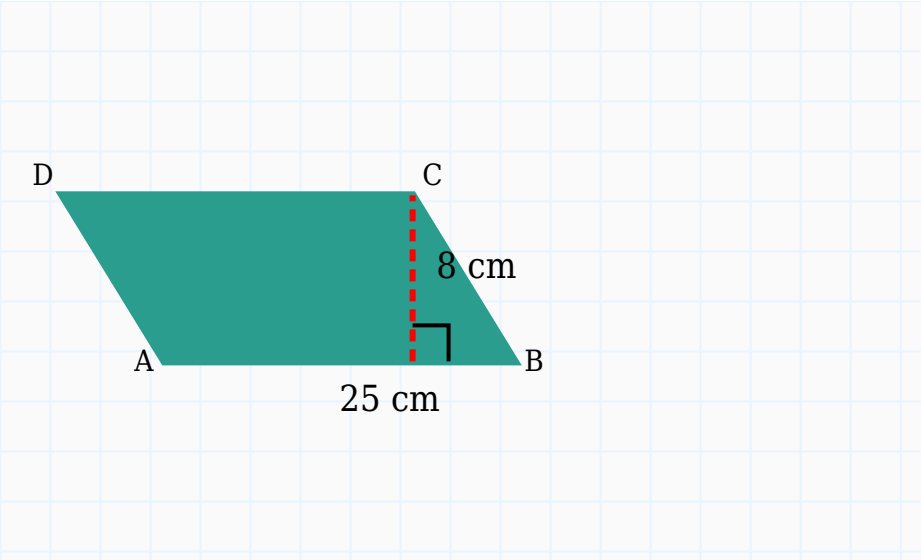
Height = 266 ÷ 14

Height = 19 m

Answer: 19 m

Question 17

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

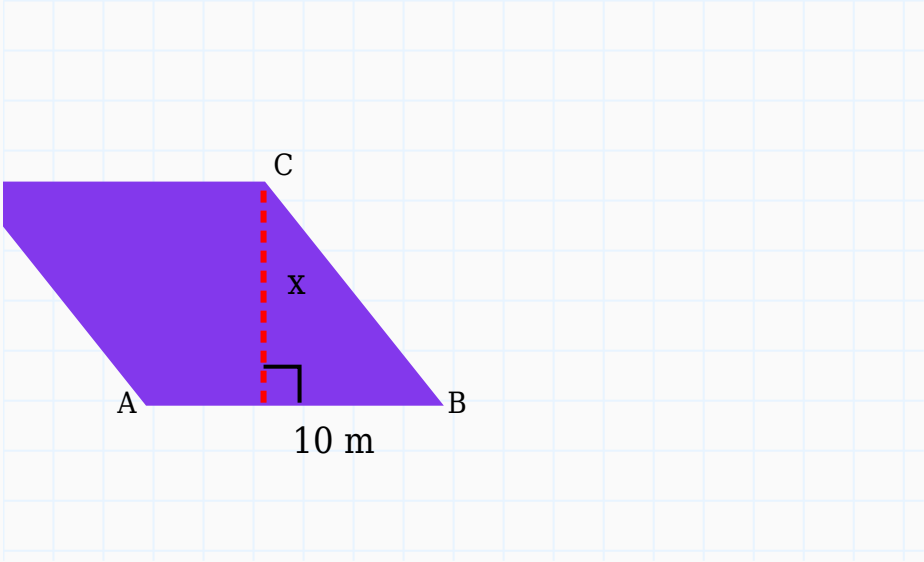
Area = 25 × 8

Area = 200 cm²

Answer: 200 cm²

Question 18

The area of a parallelogram is 180 m² and base is 10 m. Find the height.



Solution:

Formula:
Height = Area ÷ Base

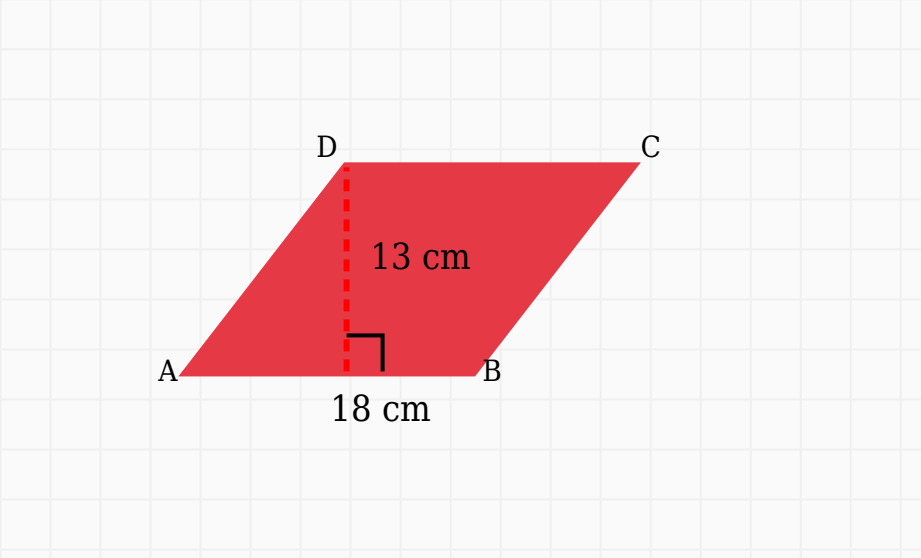
Height = 180 ÷ 10

Height = 18 m

Answer: 18 m

Question 19

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

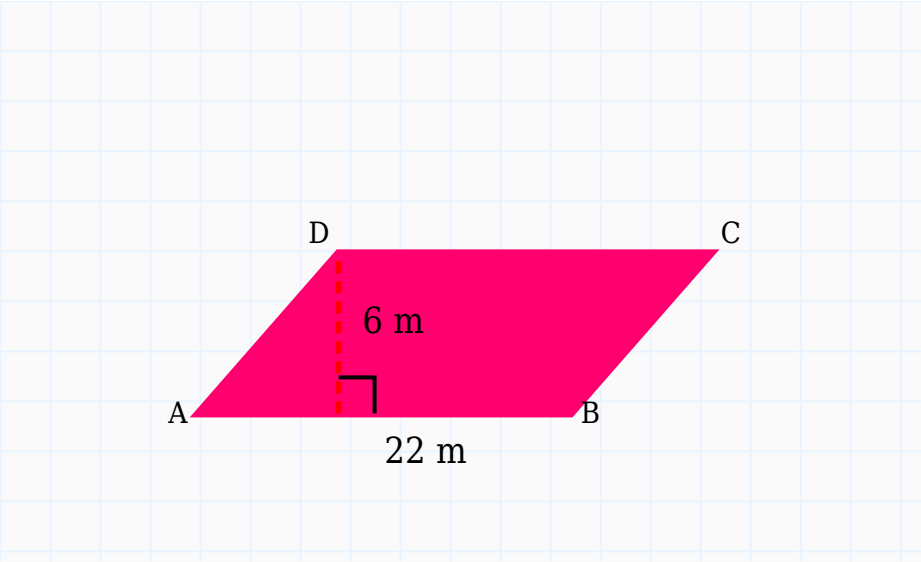
Area = 18 × 13

Area = 234 cm²

Answer: 234 cm²

Question 20

Find the area of a parallelogram with base 22 m and height 6 m.



Solution:

Formula:
Area = Base × Height

Area = 22 × 6

Area = 132 m²

Answer: 132 m²