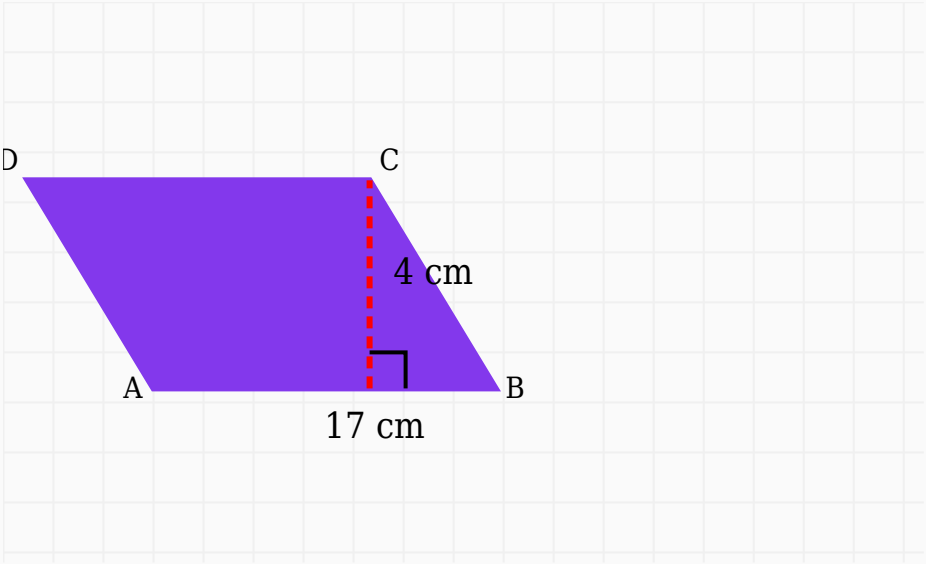
Area of Parallelogram Worksheet

Question 1

A parallelogram has base 17 cm and perpendicular height 4 cm. Find its area.



Solution:

Formula:
Area = Base × Height

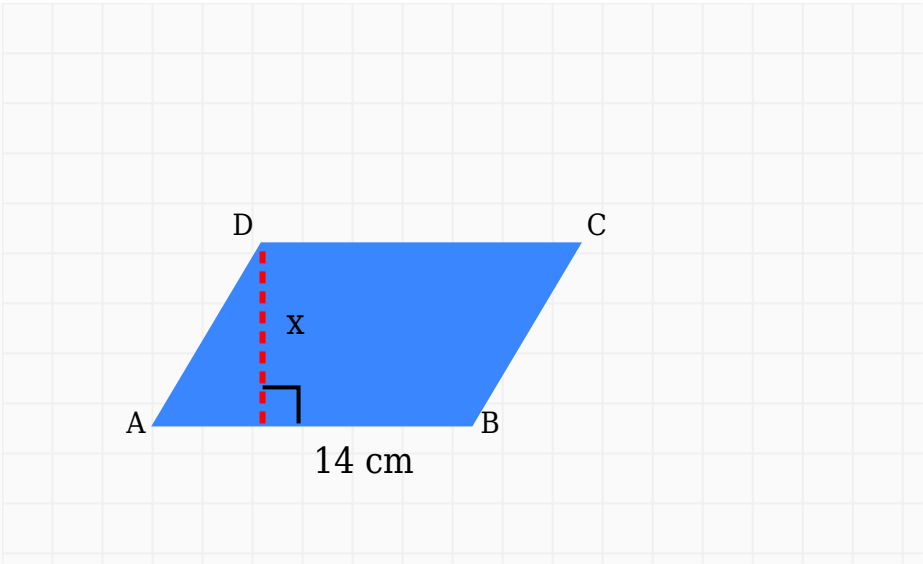
Area = 17 × 4

Area = 68 cm²

Answer: 68 cm²

Question 2

Calculate the height of a parallelogram having area 182 cm² and base 14 cm.



Solution:

Formula:
Height = Area ÷ Base

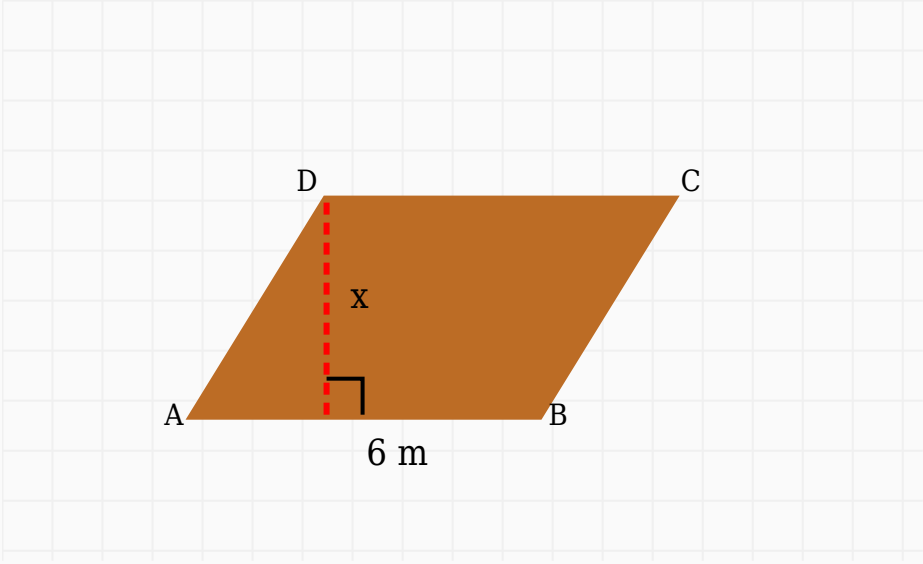
Height = 182 ÷ 14

Height = 13 cm

Answer: 13 cm

Question 3

Calculate the height of a parallelogram having area 96 m² and base 6 m.



Solution:

Formula:
Height = Area ÷ Base

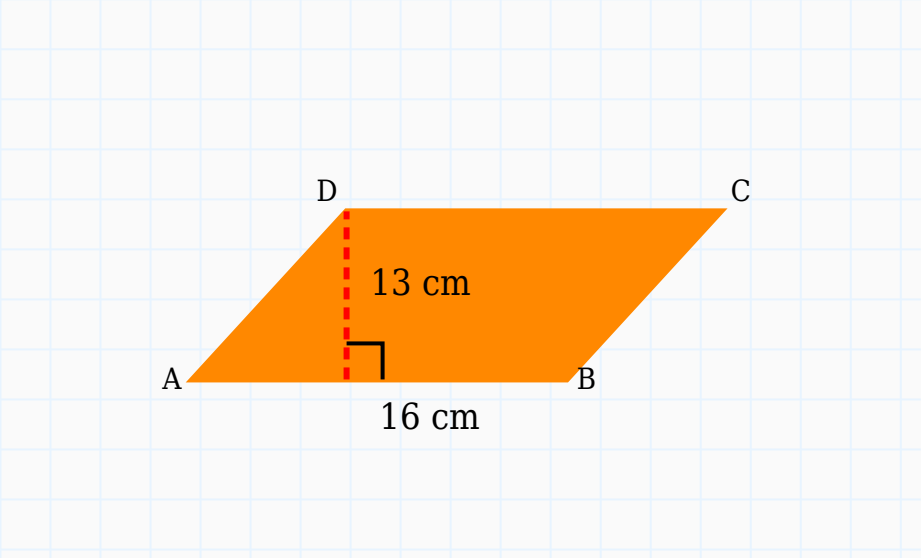
Height = 96 ÷ 6

Height = 16 m

Answer: 16 m

Question 4

Calculate the area of the parallelogram shown below.



Solution:

Formula:
Area = Base × Height

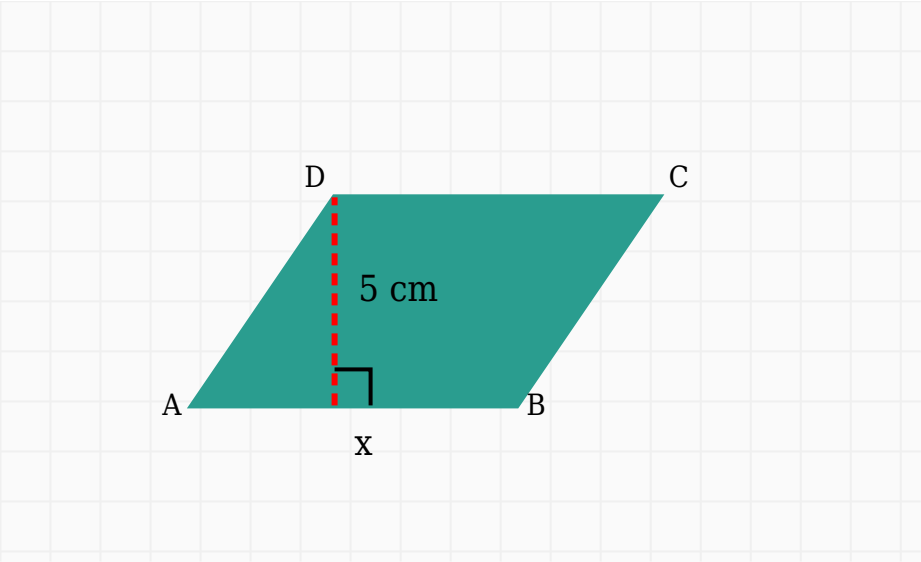
Area = 16 × 13

Area = 208 cm²

Answer: 208 cm²

Question 5

A parallelogram has area 65 cm² and perpendicular height 5 cm. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

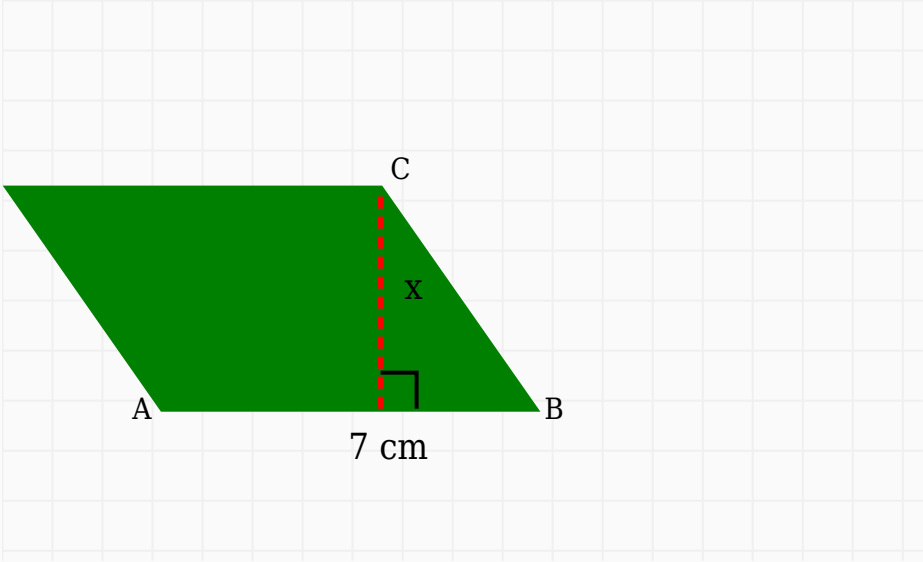
Base = 65 ÷ 5

Base = 13 cm

Answer: 13 cm

Question 6

Calculate the height of a parallelogram having area 28 cm² and base 7 cm.



Solution:

Formula:
Height = Area ÷ Base

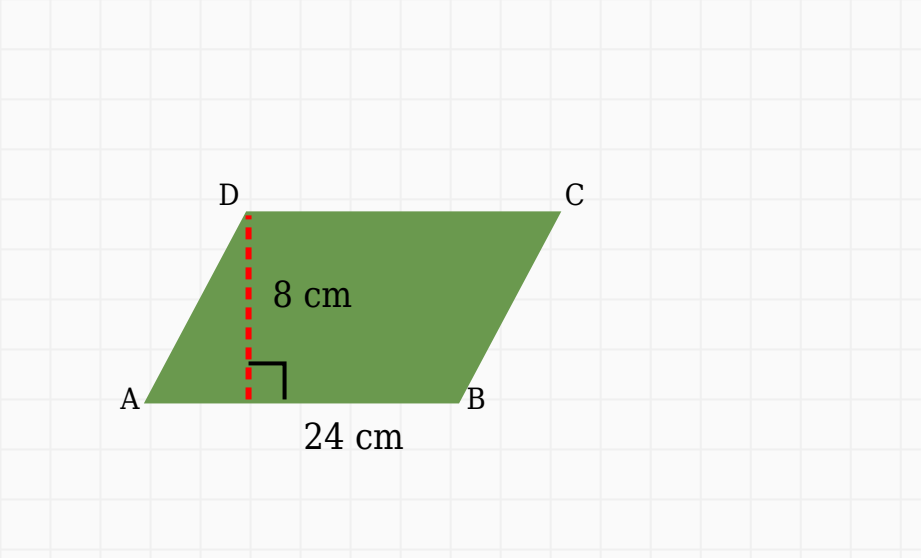
Height = 28 ÷ 7

Height = 4 cm

Answer: 4 cm

Question 7

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

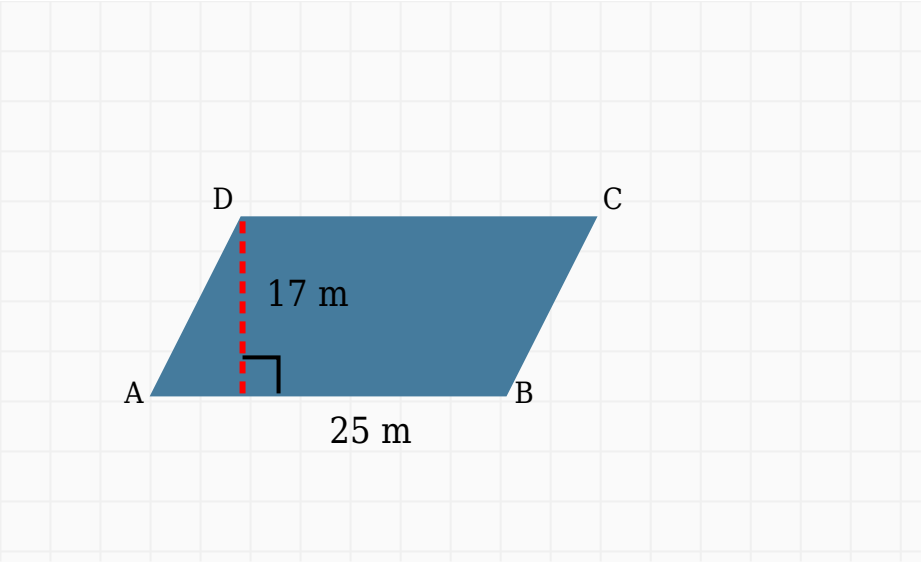
Area = 24 × 8

Area = 192 cm²

Answer: 192 cm²

Question 8

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

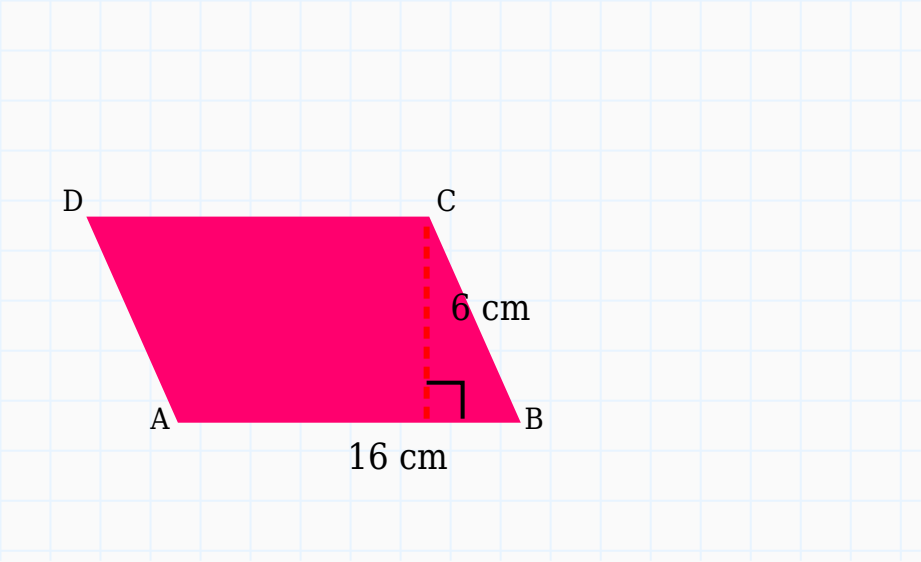
Area = 25 × 17

Area = 425 m²

Answer: 425 m²

Question 9

Find the area of a parallelogram with base 16 cm and height 6 cm.



Solution:

Formula:
Area = Base × Height

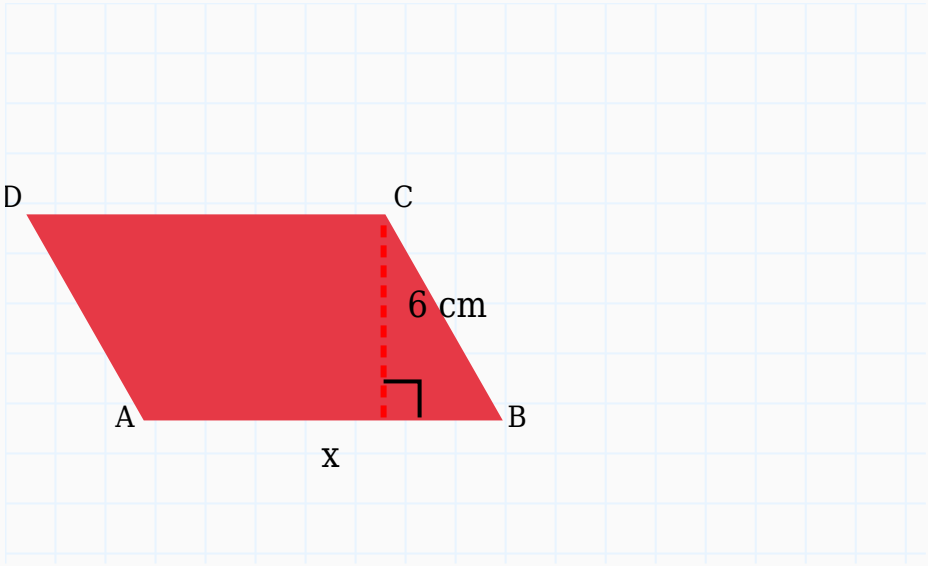
Area = 16 × 6

Area = 96 cm²

Answer: 96 cm²

Question 10

A parallelogram has area 96 cm² and perpendicular height 6 cm. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

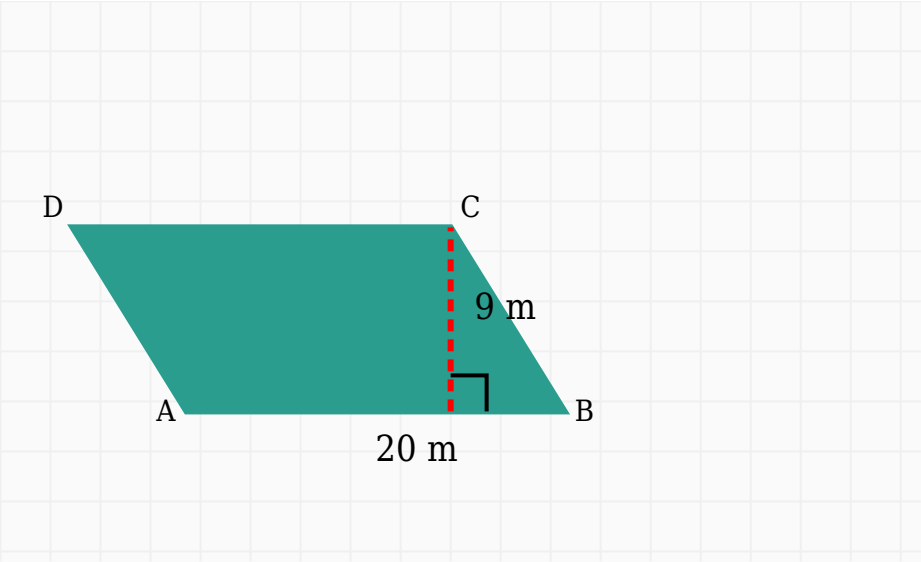
Base = 96 ÷ 6

Base = 16 cm

Answer: 16 cm

Question 11

Find the area of a parallelogram with base 20 m and height 9 m.



Solution:

Formula:
Area = Base × Height

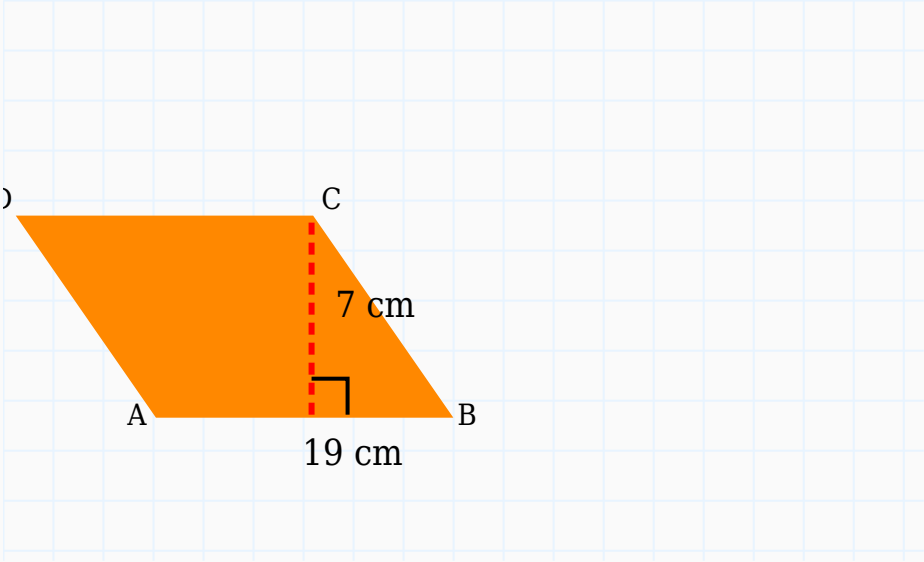
Area = 20 × 9

Area = 180 m²

Answer: 180 m²

Question 12

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

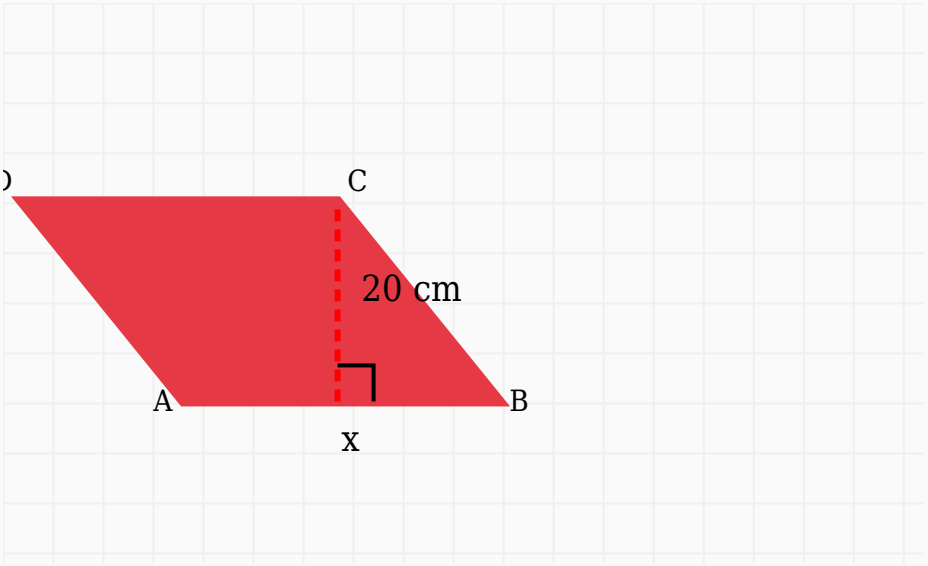
Area = 19 × 7

Area = 133 cm²

Answer: 133 cm²

Question 13

Find the base of the parallelogram shown below.



Solution:

Formula:
Base = Area ÷ Height

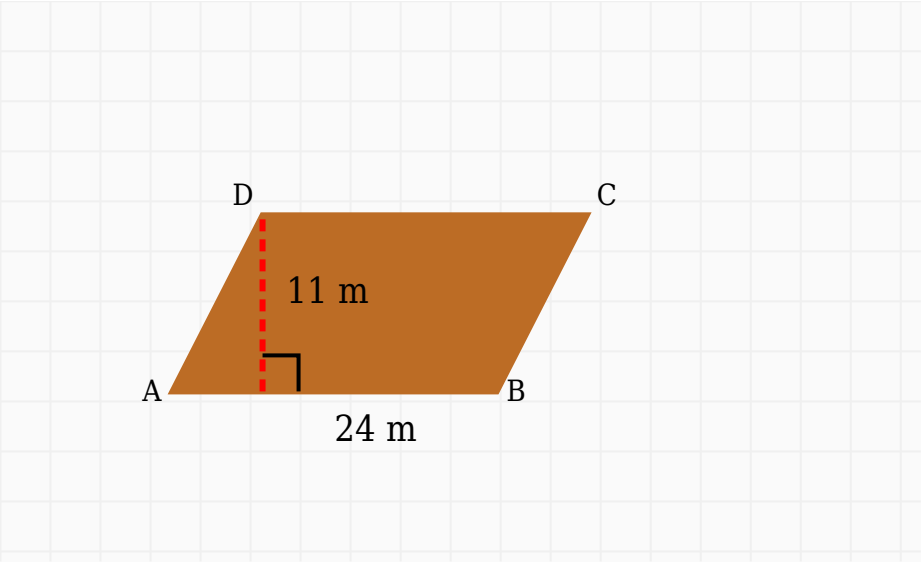
Base = 100 ÷ 20

Base = 5 cm

Answer: 5 cm

Question 14

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

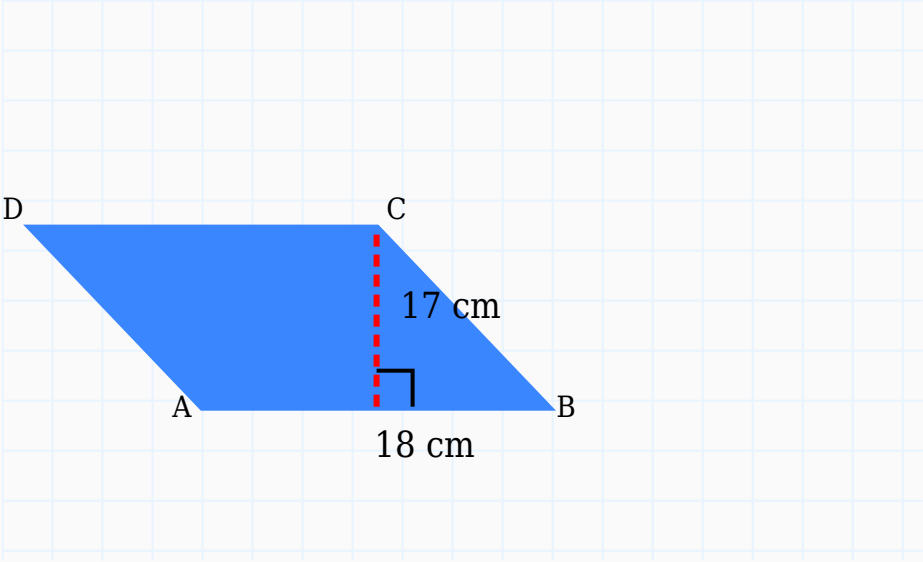
Area = 24 × 11

Area = 264 m²

Answer: 264 m²

Question 15

Find the area of a parallelogram with base 18 cm and height 17 cm.



Solution:

Formula:
Area = Base × Height

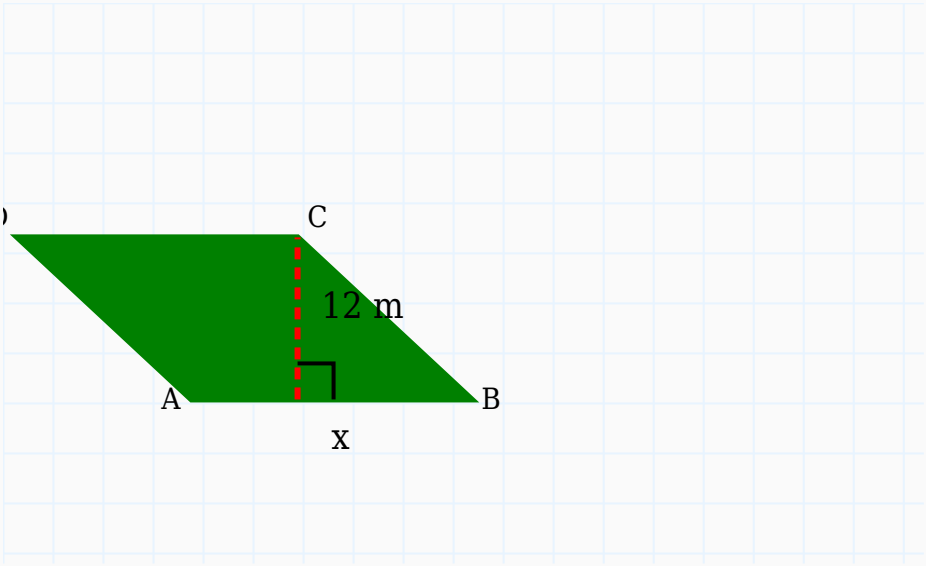
Area = 18 × 17

Area = 306 cm²

Answer: 306 cm²

Question 16

The area of a parallelogram is 300 m² and height is 12 m. Find the base.



Solution:

Formula:
Base = Area ÷ Height

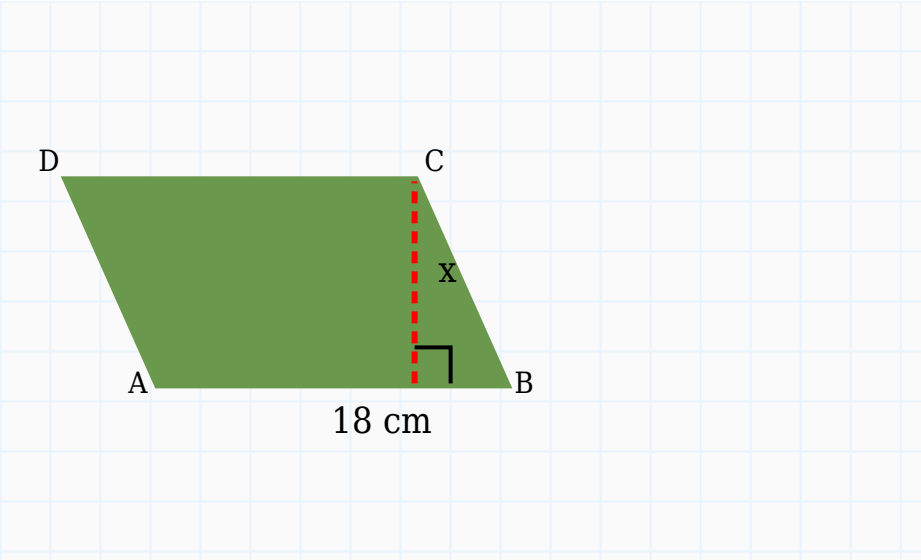
Base = 300 ÷ 12

Base = 25 m

Answer: 25 m

Question 17

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

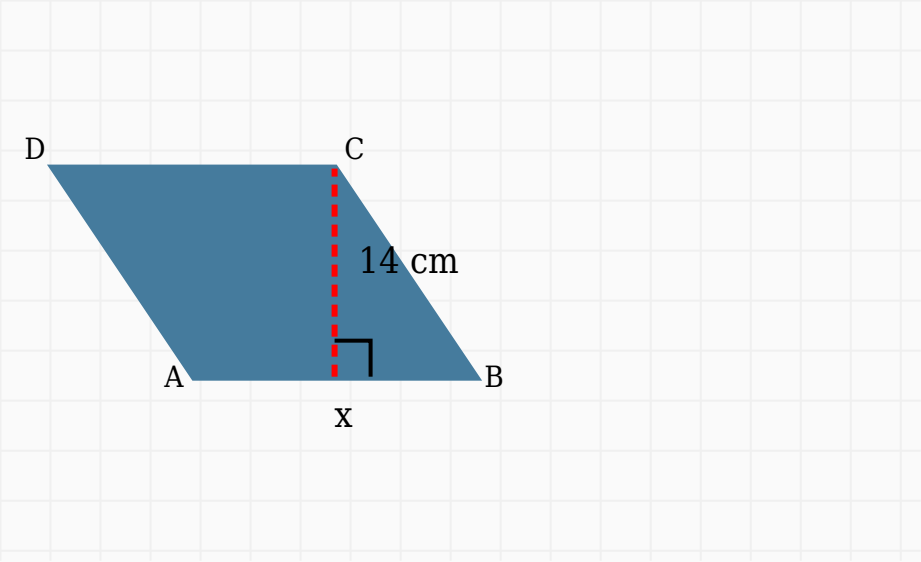
Height = 144 ÷ 18

Height = 8 cm

Answer: 8 cm

Question 18

The area of a parallelogram is 112 cm² and height is 14 cm. Find the base.



Solution:

Formula:
Base = Area ÷ Height

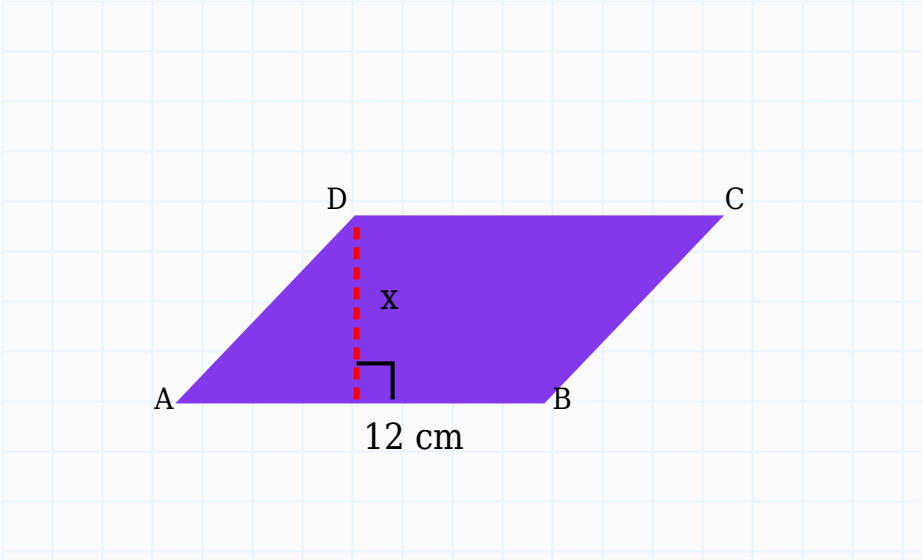
Base = 112 ÷ 14

Base = 8 cm

Answer: 8 cm

Question 19

The area of a parallelogram is 192 cm² and base is 12 cm. Find the height.



Solution:

Formula:
Height = Area ÷ Base

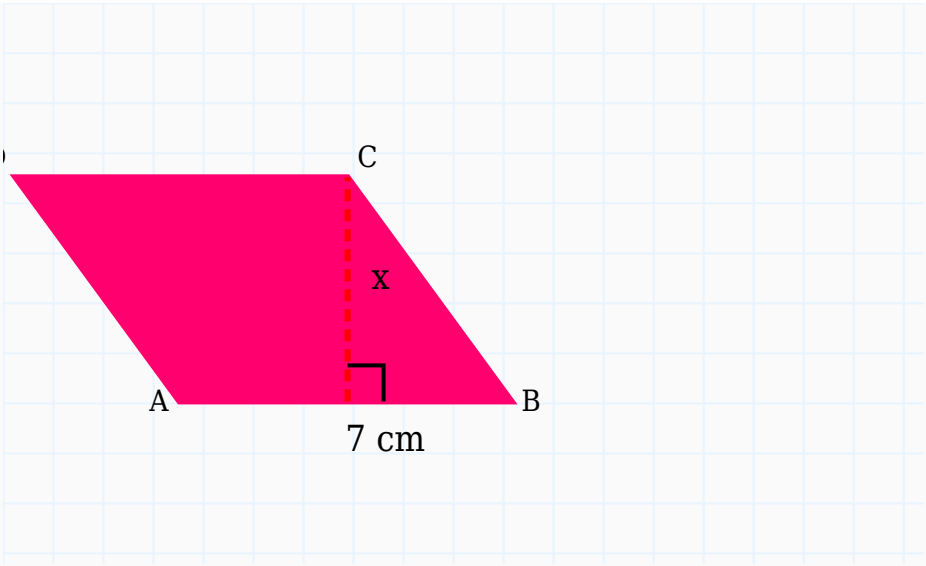
Height = 192 ÷ 12

Height = 16 cm

Answer: 16 cm

Question 20

Calculate the height of a parallelogram having area 133 cm² and base 7 cm.



Solution:

Formula:
Height = Area ÷ Base

Height = 133 ÷ 7

Height = 19 cm

Answer: 19 cm