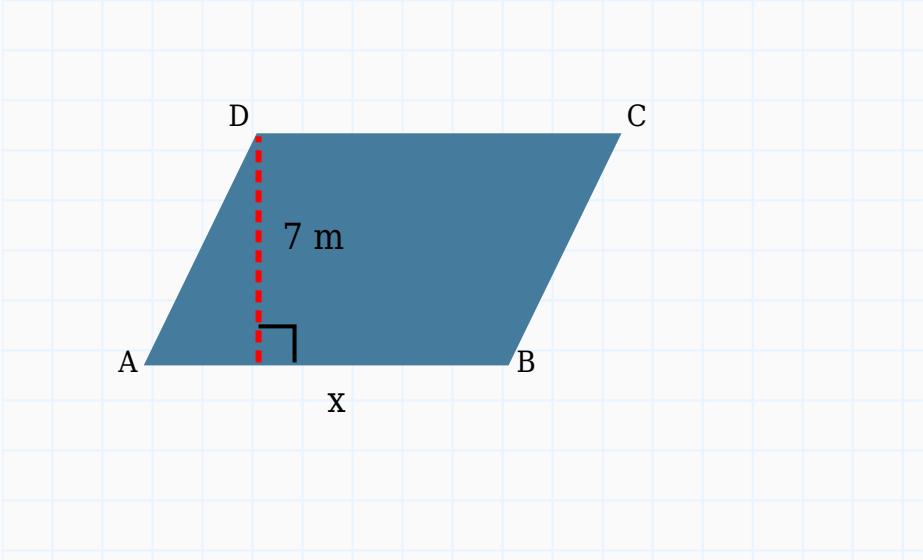
Area of Parallelogram Worksheet

Question 1

A parallelogram has area 140 m² and perpendicular height 7 m. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

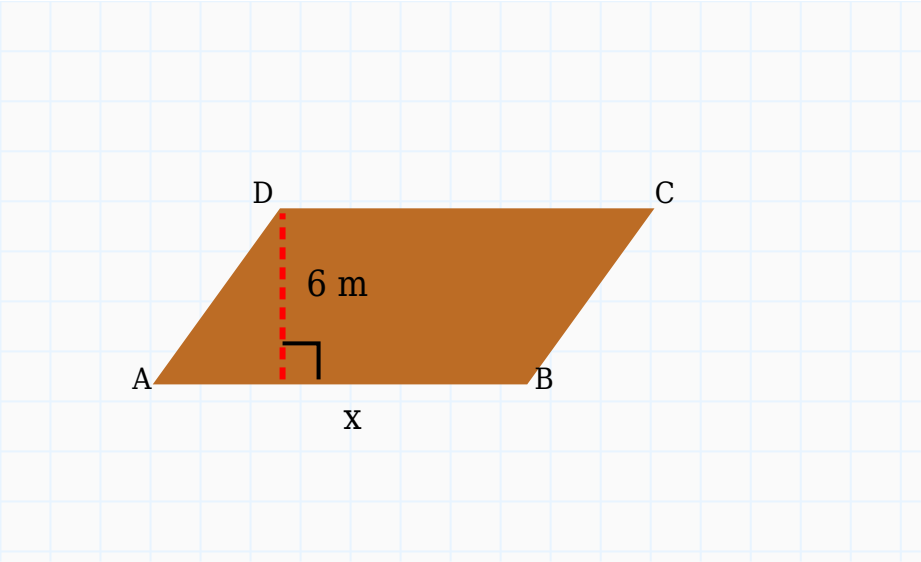
Base = 140 ÷ 7

Base = 20 m

Answer: 20 m

Question 2

The area of a parallelogram is 72 m² and height is 6 m. Find the base.



Solution:

Formula:
Base = Area ÷ Height

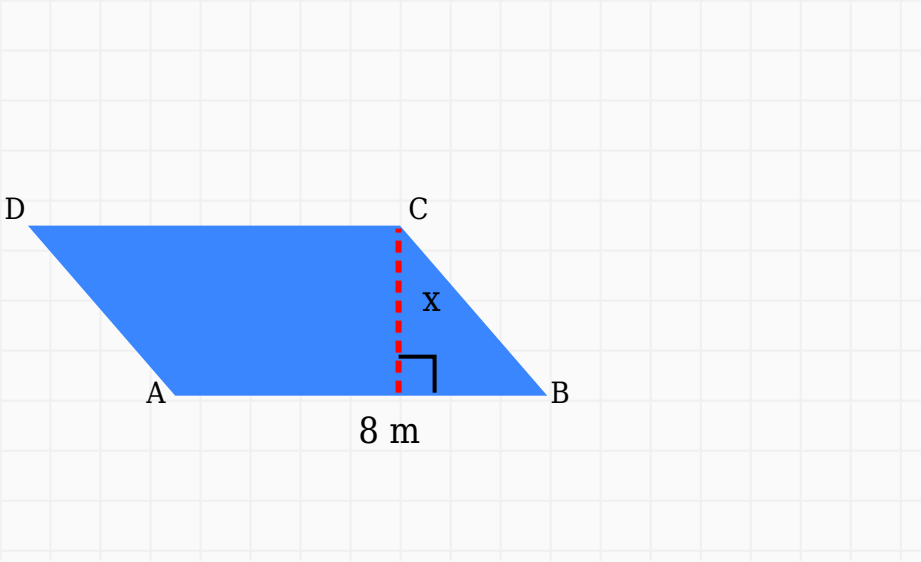
Base = 72 ÷ 6

Base = 12 m

Answer: 12 m

Question 3

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

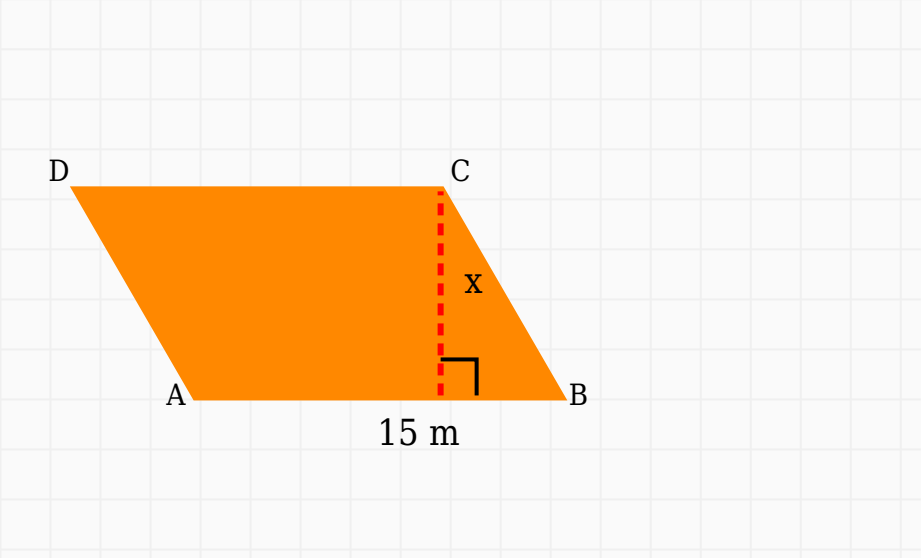
Height = 40 ÷ 8

Height = 5 m

Answer: 5 m

Question 4

Calculate the height of a parallelogram having area 165 m² and base 15 m.



Solution:

Formula:
Height = Area ÷ Base

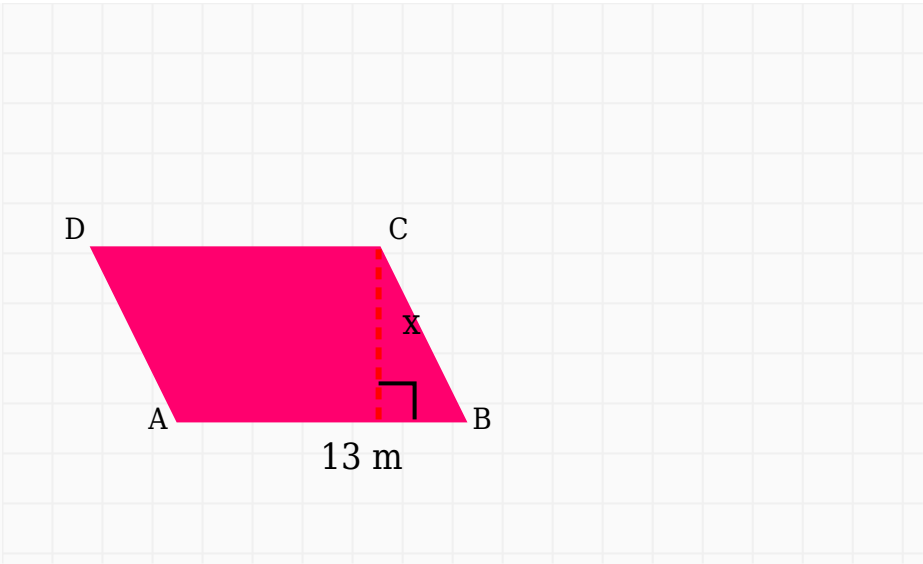
Height = 165 ÷ 15

Height = 11 m

Answer: 11 m

Question 5

The area of a parallelogram is 234 m² and base is 13 m. Find the height.



Solution:

Formula:
Height = Area ÷ Base

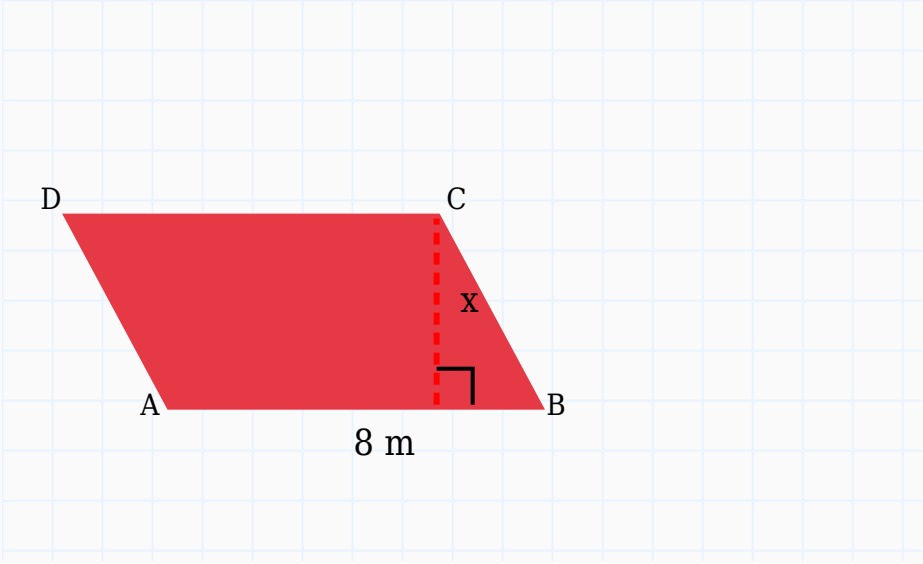
Height = 234 ÷ 13

Height = 18 m

Answer: 18 m

Question 6

Calculate the height of a parallelogram having area 88 m² and base 8 m.



Solution:

Formula:
Height = Area ÷ Base

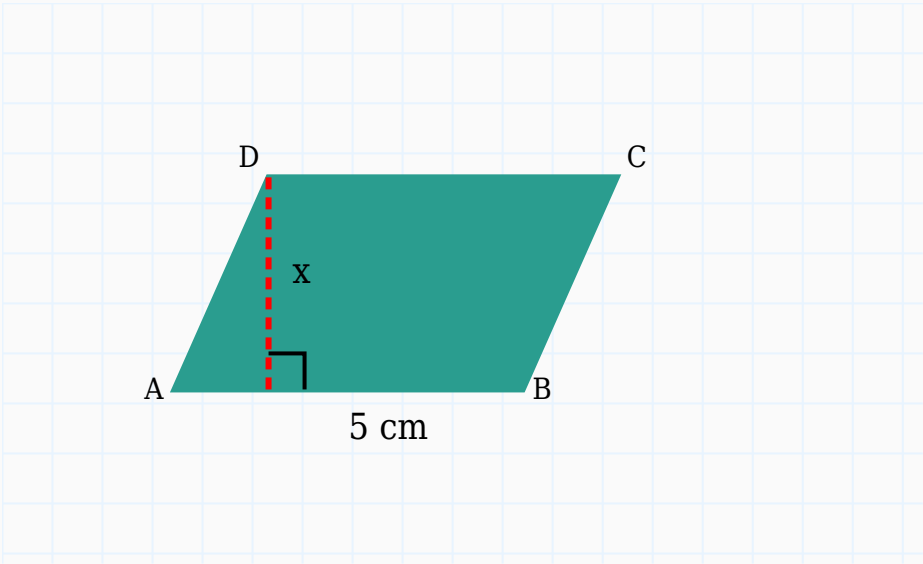
Height = 88 ÷ 8

Height = 11 m

Answer: 11 m

Question 7

The area of a parallelogram is 95 cm² and base is 5 cm. Find the height.



Solution:

Formula:
Height = Area ÷ Base

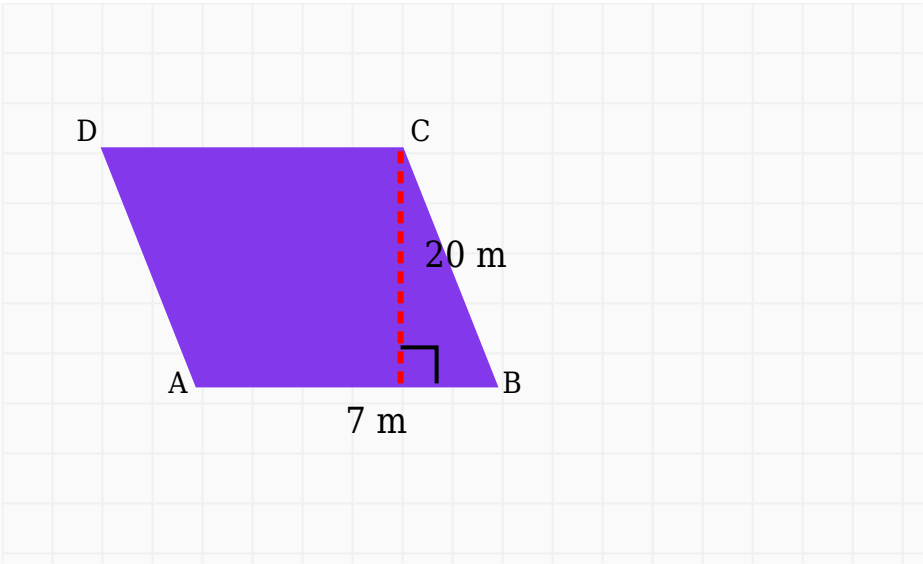
Height = 95 ÷ 5

Height = 19 cm

Answer: 19 cm

Question 8

Calculate the area of the parallelogram shown below.



Solution:

Formula:
Area = Base × Height

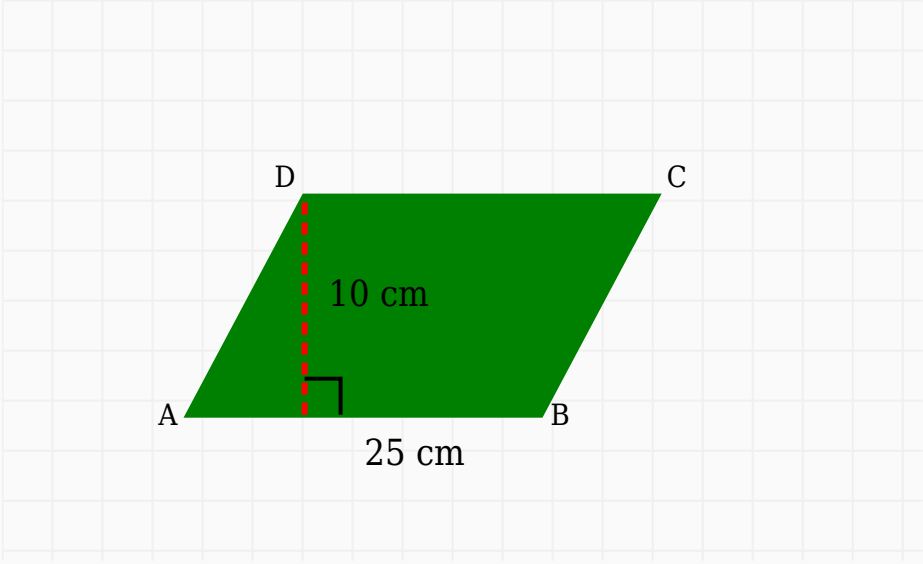
Area = 7 × 20

Area = 140 m²

Answer: 140 m²

Question 9

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

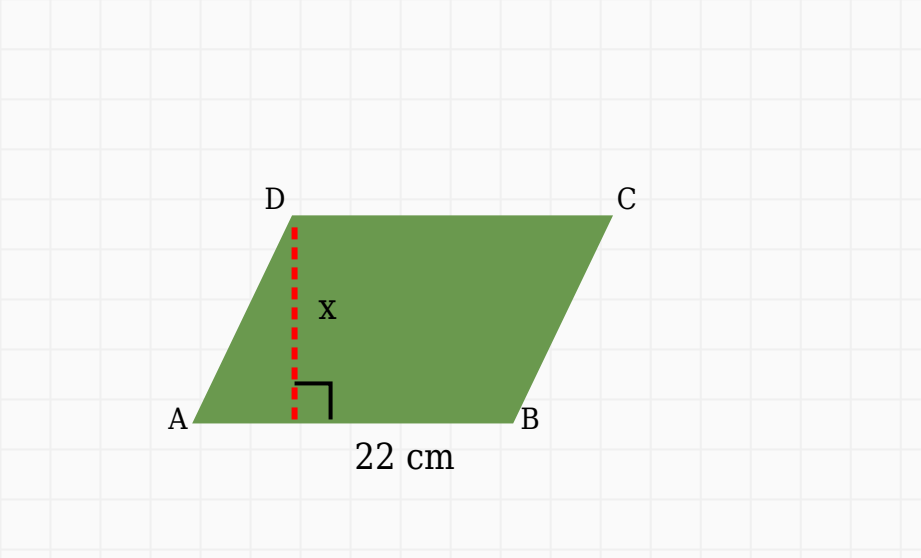
Area = 25 × 10

Area = 250 cm²

Answer: 250 cm²

Question 10

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

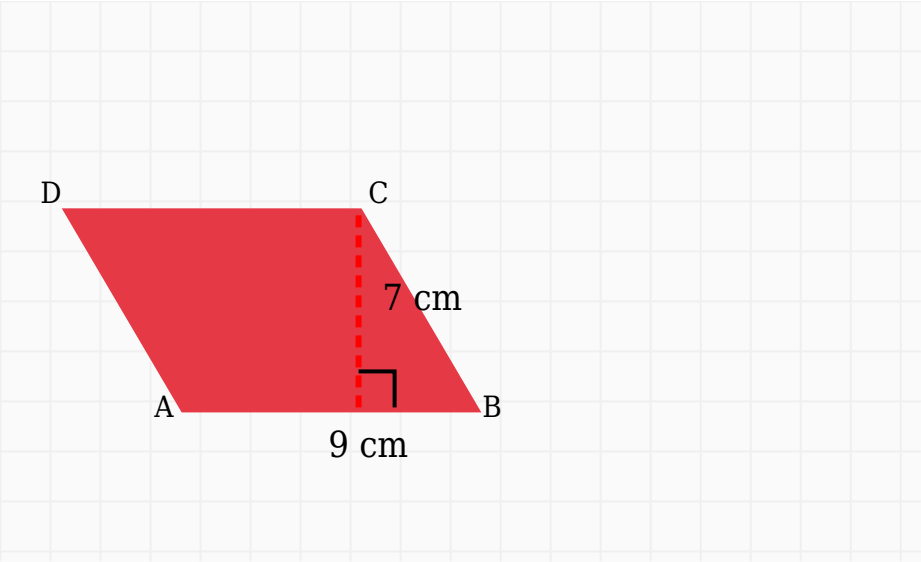
Height = 176 ÷ 22

Height = 8 cm

Answer: 8 cm

Question 11

Calculate the area of the parallelogram shown below.



Solution:

Formula:
Area = Base × Height

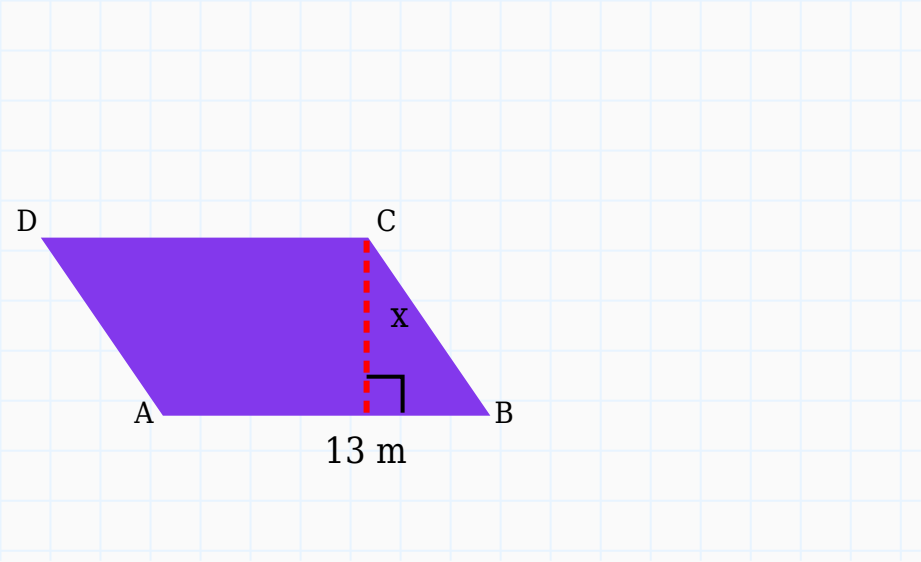
Area = 9 × 7

Area = 63 cm²

Answer: 63 cm²

Question 12

Calculate the height of a parallelogram having area 156 m² and base 13 m.



Solution:

Formula:
Height = Area ÷ Base

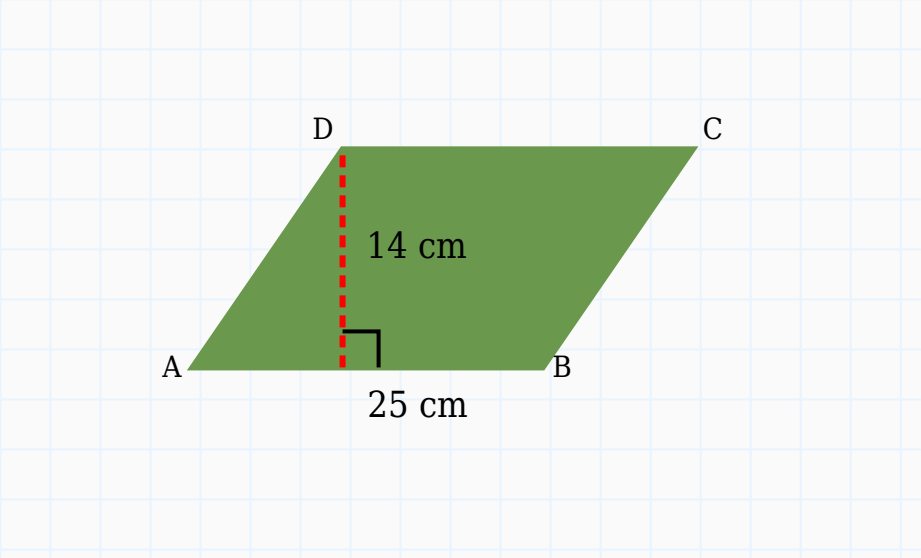
Height = 156 ÷ 13

Height = 12 m

Answer: 12 m

Question 13

Find the area of a parallelogram with base 25 cm and height 14 cm.



Solution:

Formula:
Area = Base × Height

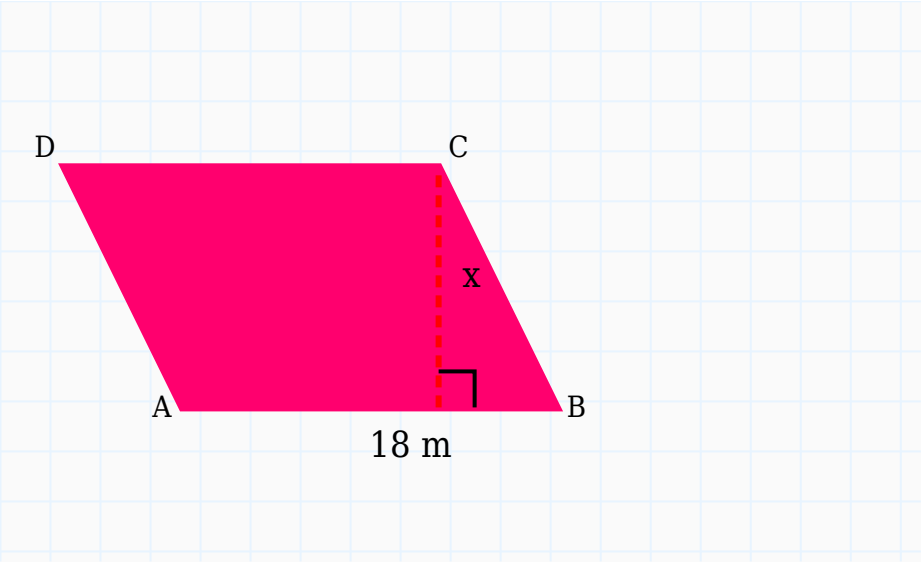
Area = 25 × 14

Area = 350 cm²

Answer: 350 cm²

Question 14

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

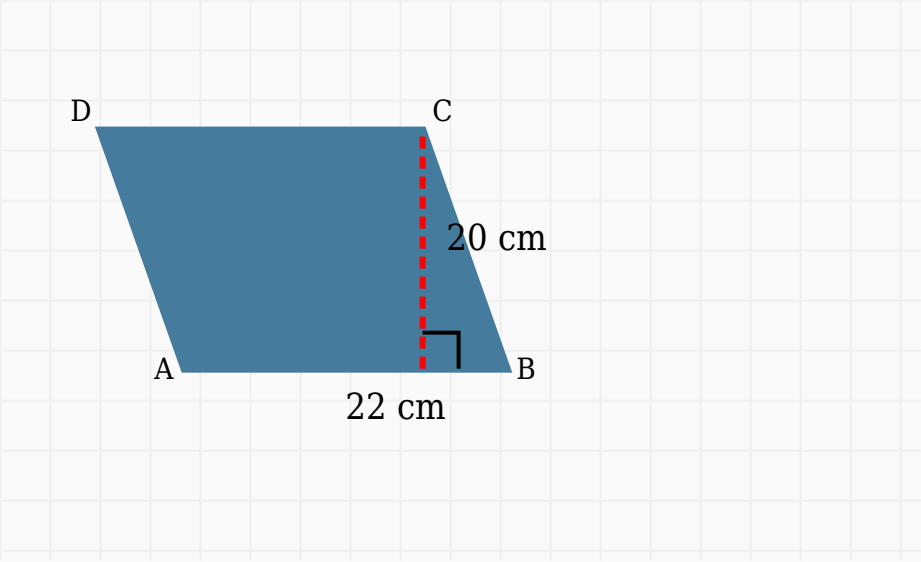
Height = 144 ÷ 18

Height = 8 m

Answer: 8 m

Question 15

Calculate the area of the parallelogram shown below.



Solution:

Formula:
Area = Base × Height

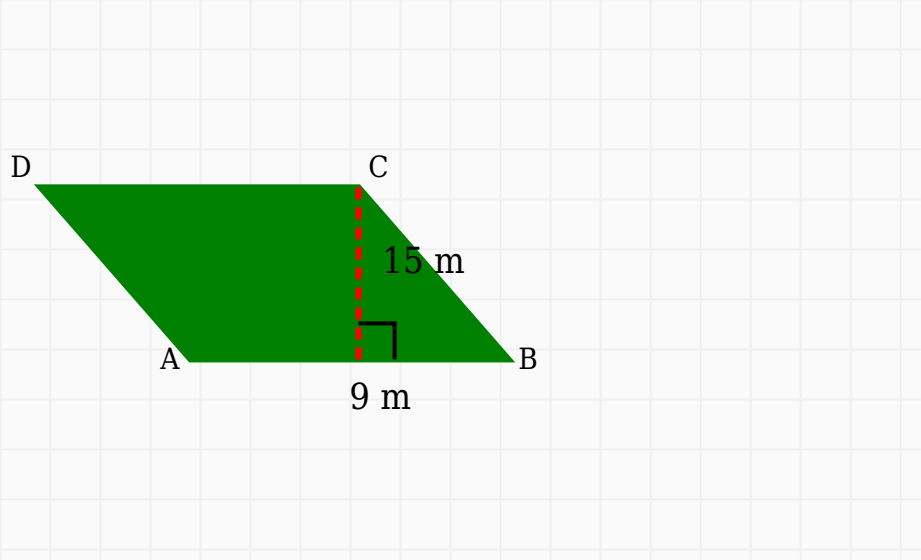
Area = 22 × 20

Area = 440 cm²

Answer: 440 cm²

Question 16

Find the area of a parallelogram with base 9 m and height 15 m.



Solution:

Formula:
Area = Base × Height

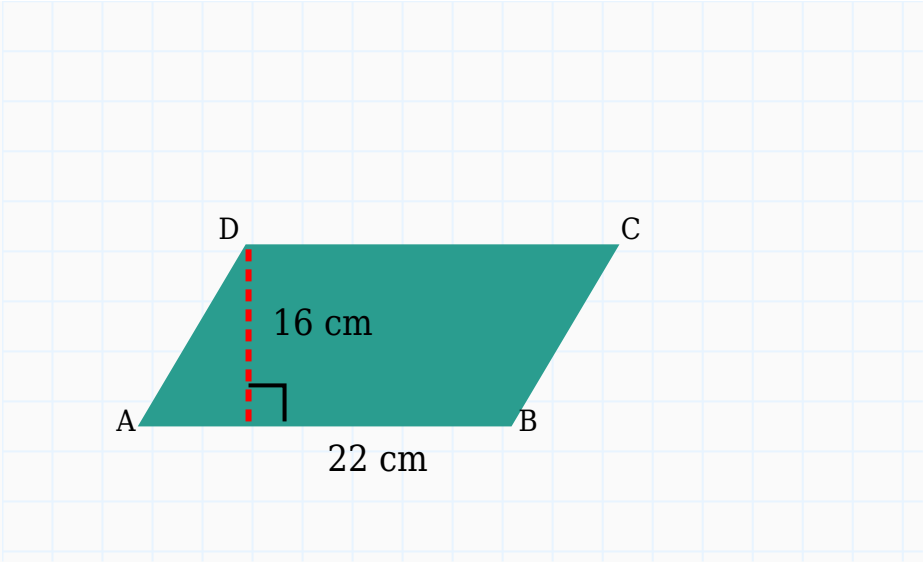
Area = 9 × 15

Area = 135 m²

Answer: 135 m²

Question 17

Find the area of a parallelogram with base 22 cm and height 16 cm.



Solution:

Formula:
Area = Base × Height

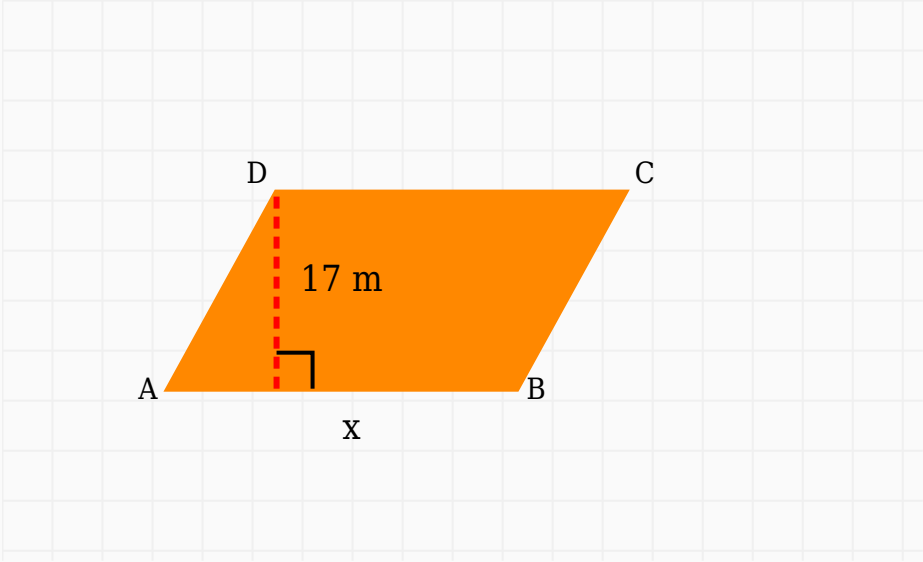
Area = 22 × 16

Area = 352 cm²

Answer: 352 cm²

Question 18

A parallelogram has area 425 m² and perpendicular height 17 m. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

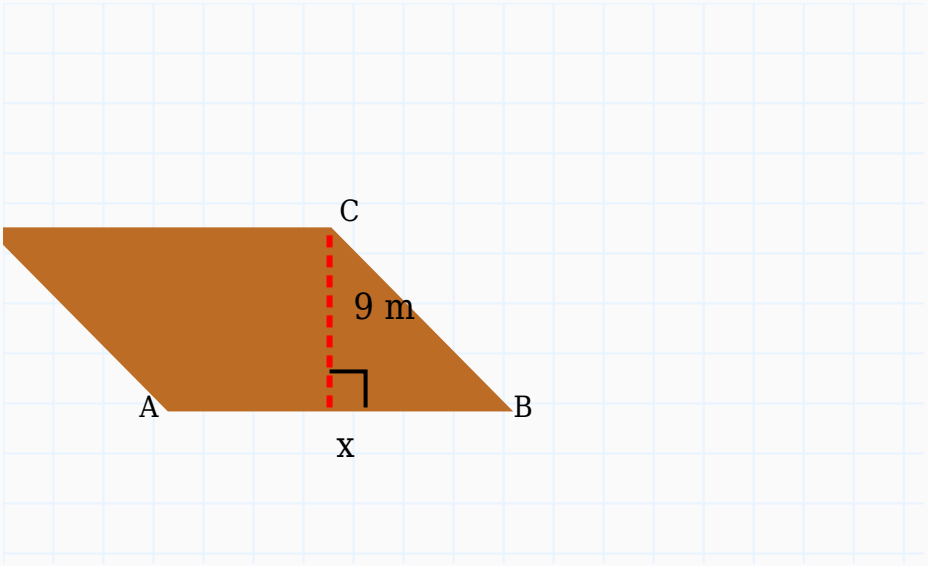
Base = 425 ÷ 17

Base = 25 m

Answer: 25 m

Question 19

A parallelogram has area 108 m² and perpendicular height 9 m. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

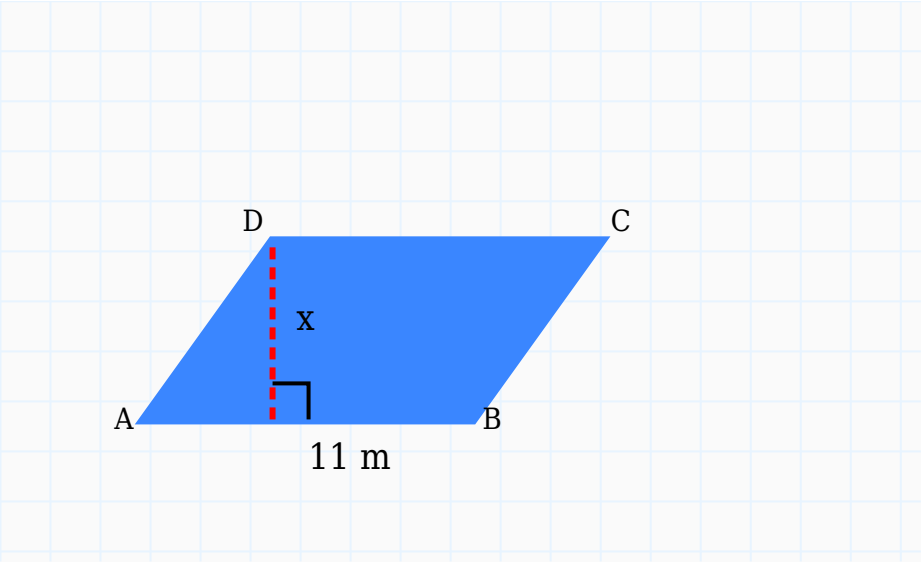
Base = 108 ÷ 9

Base = 12 m

Answer: 12 m

Question 20

Find the perpendicular height of the parallelogram.



Solution:

Formula:
Height = Area ÷ Base

Height = 66 ÷ 11

Height = 6 m

Answer: 6 m