



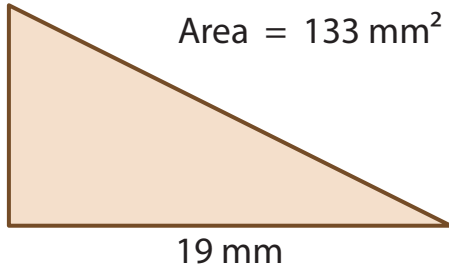
Finding base / height

Name _____

Score _____

AT:23

Example : Find the base of given triangle.



$$\text{Area} = \frac{1}{2} \times \text{base}(b) \times \text{height}(h)$$

$$133 = \frac{1}{2} \times 19 \times h$$

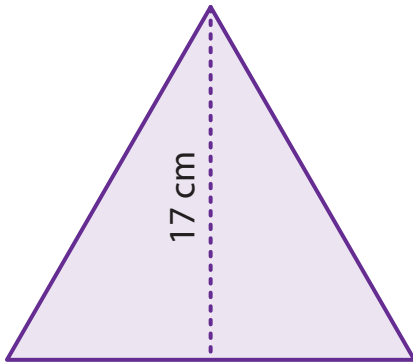
$$266 = 19h$$

$$h = \frac{266}{19} = \mathbf{14 \text{ mm}}$$

b = 19 mm , h = ?

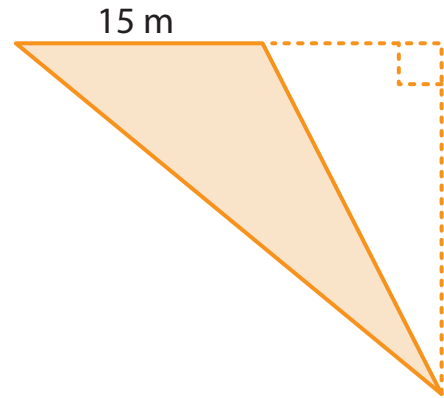
Find the base or height of each triangle.

1) Area = 153 cm^2



Base =

2) Area = 127.5 m^2



Height =

1) Area = 112 mm^2

Base = 16 mm

Height =

2) Area = 178.5 cm^2

Height = 21 cm

Base =

Complete the table.

Q.No	Base	Height	Area
1)	20 m		150 m^2
2)		13 mm	110.5 mm^2
3)	18 cm		198 cm^2



Finding base / height

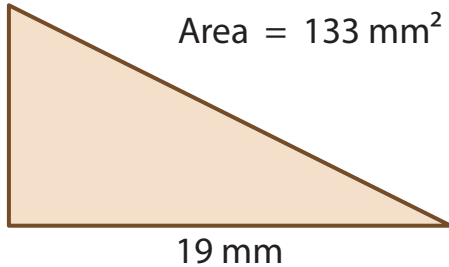
Name _____

Score _____

Answer key

AT:23

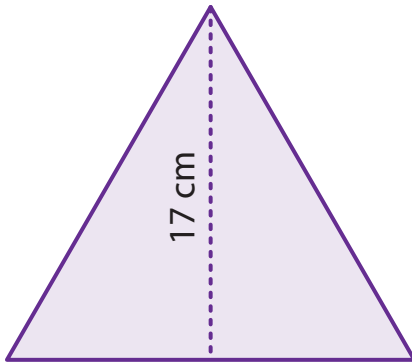
Example : Find the base of given triangle.



$$\begin{aligned} \text{Area} &= \frac{1}{2} \times \text{base}(b) \times \text{height}(h) \\ 133 &= \frac{1}{2} \times 19 \times h && b = 19 \text{ mm}, h = ? \\ 266 &= 19h \\ h &= \frac{266}{19} = \mathbf{14 \text{ mm}} \end{aligned}$$

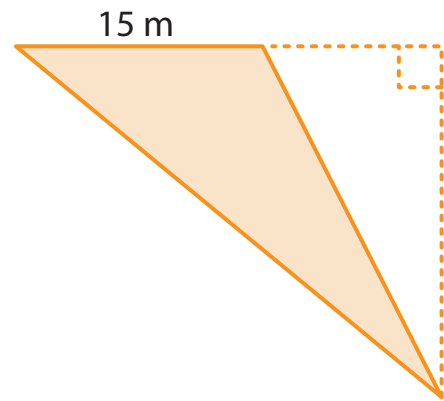
Find the base or height of each triangle.

1) Area = 153 cm^2



Base = **18 cm**

2) Area = 127.5 m^2



Height = **17 m**

1) Area = 112 mm^2

Base = 16 mm

Height = **14 mm**

2) Area = 178.5 cm^2

Height = 21 cm

Base = **17 cm**

Complete the table.

Q.No	Base	Height	Area
1)	20 m	15 m	150 m^2
2)	17 mm	13 mm	110.5 mm^2
3)	18 cm	22 cm	198 cm^2