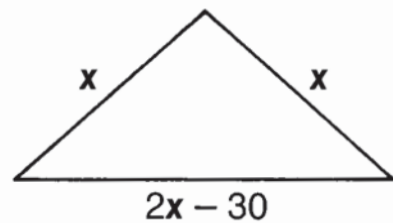


What's the Quickest Way for an Ant to Go From the Ground to the Tree Trunk?

Solve each problem below. Find your solution in the answer column and notice the letter next to it. Write this letter in each box that contains the number of that problem.

- ① The length of a rectangle is 3 times the width. The perimeter is 96 cm. Find the width and length.
- ② The length of a rectangle is 5 m greater than the width. The perimeter is 150 m. Find the width and length.
- ③ The width of a rectangle is 12 cm less than the length. The perimeter is 156 cm. Find the width and length.
- ④ The length of a rectangle is 2 cm less than 7 times the width. The perimeter is 60 cm. Find the width and length.
- ⑤ The perimeter of a triangle is 76 cm. Side a of the triangle is twice as long as side b . Side c is 1 cm longer than side a . Find the length of each side.
- ⑥ The first side of a triangle is 8 m shorter than the second side. The third side is 4 times as long as the first side. The perimeter is 26 m. Find the length of each side.
- ⑦ A triangular sail has a perimeter of 25 m. Side a is 2 m shorter than twice side b , and side c is 3 m longer than side b . Find the length of each side.
- ⑧ The triangle shown at the right is *isosceles*. That is, it has two sides of equal length. The third side is 30 m shorter than twice the length of each congruent side. The perimeter is 570 m. Find the length of each side.

- | | |
|---|----------------------|
| Ⓑ | 37 m, 42 m |
| Ⓞ | 3 m, 11 m, 12 m |
| Ⓐ | 33 cm, 45 cm |
| Ⓝ | 8 m, 5 m, 11 m |
| Ⓔ | 12 cm, 36 cm |
| Ⓢ | 4 cm, 26 cm |
| Ⓤ | 31 cm, 43 cm |
| Ⓜ | 140 cm, 140 m, 250 m |
| Ⓗ | 35 m, 40 m |
| Ⓒ | 5 cm, 33 cm |
| Ⓚ | 30 cm, 15 cm, 31 cm |
| Ⓣ | 150 m, 150 m, 270 m |
| Ⓛ | 32 cm, 16 cm, 31 cm |
| Ⓡ | 10 m, 6 m, 9 m |



8	3	5	1	8	2	1	4	2	6	7	8	1	4	8	7	6	6	8
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