

Question ID dd899ebf

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Geometry and Trigonometry	Area and volume	Easy

ID: dd899ebf

What is the area, in square centimeters, of a rectangle with a length of **34 centimeters (cm)** and a width of **29 cm**?

Question ID b517b769

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Geometry and Trigonometry	Area and volume	Easy

ID: b517b769

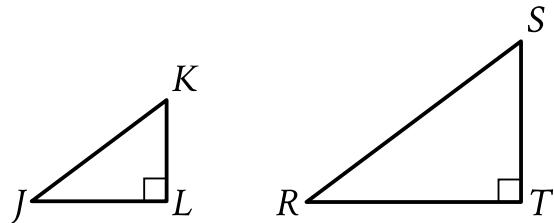
Triangle R has an area of **80 square centimeters (cm^2)**. Square S has side lengths of **4 cm**. What is the total area of triangle R and square S, **in cm^2 ?**

- A. **42**
- B. **44**
- C. **84**
- D. **96**

Question ID 82cf5449

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Geometry and Trigonometry	Area and volume	Easy

ID: 82cf5449



Note: Figure not drawn to scale.

In the figure shown, triangle \mathbf{JKL} is similar to triangle \mathbf{RST} , where \mathbf{J} corresponds to \mathbf{R} and \mathbf{K} corresponds to \mathbf{S} . The length of \overline{JK} is 15, and the perimeter of triangle \mathbf{JKL} is 36. The length of \overline{RS} is 135. What is the perimeter of triangle \mathbf{RST} ?

- A. 324
- B. 540
- C. 2,916
- D. 8,100

Question ID 4a5341e5

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Geometry and Trigonometry	Area and volume	Easy

ID: 4a5341e5

The area of a rectangle is **57** square inches. The length of the longest side of the rectangle is **19** inches. What is the length, in inches, of the shortest side of this rectangle?

Question ID a5cc361b

Assessment	Test	Domain	Skill	Difficulty
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ID: a5cc361b

What is the perimeter, in inches, of a rectangle with a length of **4** inches and a width of **9** inches?

- A. **13**
- B. **17**
- C. **22**
- D. **26**

Question ID e401c722

Assessment	Test	Domain	Skill	Difficulty
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ID: e401c722

What is the area of a rectangle with a length of **17 centimeters (cm)** and a width of **7 cm**?

- A. **24 cm²**
- B. **48 cm²**
- C. **119 cm²**
- D. **576 cm²**

Question ID ad3bc7a0

Assessment	Test	Domain	Skill	Difficulty
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ID: ad3bc7a0

Rectangle P has an area of **72** square inches. If a rectangle with an area of **20** square inches is removed from rectangle P, what is the area, in square inches, of the resulting figure?

- A. **92**
- B. **84**
- C. **80**
- D. **52**

Question ID a1060875

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Geometry and Trigonometry	Area and volume	Easy

ID: a1060875

A rectangle has a length of **13** and a width of **6**. What is the perimeter of the rectangle?

- A. **12**
- B. **26**
- C. **38**
- D. **52**

Question ID 49bb7ed7

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Geometry and Trigonometry	Area and volume	Easy

ID: 49bb7ed7

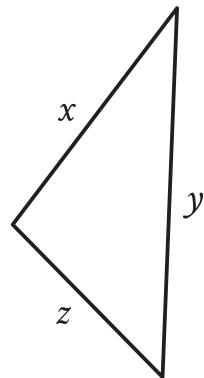
The lengths of two sides of a triangle are **4** centimeters and **6** centimeters. If the perimeter of the triangle is **18** centimeters, what is the length, in centimeters, of the third side of this triangle?

- A. **2**
- B. **8**
- C. **10**
- D. **24**

Question ID 65c8a78d

Assessment	Test	Domain	Skill	Difficulty
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ID: 65c8a78d



Note: Figure not drawn to scale.

The triangle shown has a perimeter of 22 units. If $x = 9$ units and $y = 7$ units, what is the value of z , in units?

- A. 6
- B. 7
- C. 9
- D. 16

Question ID e5ede4b8

Assessment	Test	Domain	Skill	Difficulty
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ID: e5ede4b8

The area of a rectangle is **630** square inches. The length of the rectangle is **70** inches. What is the width, in inches, of this rectangle?

- A. **9**
- B. **70**
- C. **315**
- D. **560**

Question ID e95ae88a

Assessment	Test	Domain	Skill	Difficulty
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ID: e95ae88a

The perimeter of triangle ABC is 17 inches, the length of side AB is 4 inches, and the length of side AC is 7 inches. What is the length, in inches, of side BC ?

- A. 4
- B. 6
- C. 7
- D. 11

Question ID 091c69dd

Assessment	Test	Domain	Skill	Difficulty
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ID: 091c69dd

A rectangle has a length of **64** inches and a width of **32** inches. What is the area, in square inches, of the rectangle?

Question ID 850fa30c

Assessment	Test	Domain	Skill	Difficulty
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ID: 850fa30c

The side length of a square is **55 centimeters (cm)**. What is the area, **in cm^2** , of the square?

- A. 110
- B. 220
- C. 3,025
- D. 12,100

Question ID 0f88eb2d

Assessment	Test	Domain	Skill	Difficulty
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ID: 0f88eb2d

The table gives the perimeters of similar triangles TUV and XYZ , where \overline{TU} corresponds to \overline{XY} . The length of \overline{TU} is 6.

	Perimeter
Triangle TUV	50
Triangle XYZ	150

What is the length of \overline{XY} ?

- A. 2
- B. 6
- C. 18
- D. 56

Question ID fd6f7271

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Geometry and Trigonometry	Area and volume	Easy

ID: fd6f7271

What is the area, in square inches, of a rectangle with a length of **7** inches and a width of **6** inches?

- A. **13**
- B. **20**
- C. **42**
- D. **84**

Question ID 397307ae

Assessment	Test	Domain	Skill	Difficulty
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ID: 397307ae

What is the area, in square centimeters, of a rectangle with a length of **36** centimeters and a width of **34** centimeters?

- A. **70**
- B. **140**
- C. **1,156**
- D. **1,224**

Question ID eec9d2dc

Assessment	Test	Domain	Skill	Difficulty
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ID: eec9d2dc

The area of a square is **64** square inches. What is the side length, in inches, of this square?

- A. **8**
- B. **16**
- C. **64**
- D. **128**

Question ID aaf7481c

Assessment	Test	Domain	Skill	Difficulty
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ID: aaf7481c

A rectangle has a length of **3** units and a width of **39** units. Which expression gives the area, in square units, of this rectangle?

- A. $2(3 + 39)$
- B. $2(3 \cdot 39)$
- C. $3 + 39$
- D. $3 \cdot 39$

Question ID 532c012b

Assessment	Test	Domain	Skill	Difficulty
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ID: 532c012b

Each base of a right rectangular prism has a length of **19** inches and a width of **8** inches. The prism has a volume of **2,736** cubic inches. What is the height, in inches, of the prism?

- A. **18**
- B. **27**
- C. **144**
- D. **152**

Question ID b01d87be

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Geometry and Trigonometry	Area and volume	Easy

ID: b01d87be

A rectangle has an area of **63** square meters and a length of **9** meters. What is the width, in meters, of the rectangle?

- A. **7**
- B. **54**
- C. **81**
- D. **567**

Question ID 260c2ab4

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Geometry and Trigonometry	Area and volume	Easy

ID: 260c2ab4

Each side of a square has a length of **45**. What is the perimeter of this square?

Question ID 070522bf

Assessment	Test	Domain	Skill	Difficulty
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ID: 070522bf

The width of a rectangle is **7** centimeters. The length of the rectangle is **40** centimeters longer than the width. What is the area, in square centimeters, of this rectangle?

- A. **7**
- B. **14**
- C. **54**
- D. **329**

Question ID 8875a21b

Assessment	Test	Domain	Skill	Difficulty
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ID: 8875a21b

What is the area of a rectangle with a length of **4 centimeters (cm)** and a width of **2 cm**?

- A. **6 cm²**
- B. **8 cm²**
- C. **12 cm²**
- D. **36 cm²**

Question ID c3ee52e5

Assessment	Test	Domain	Skill	Difficulty
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ID: c3ee52e5

A triangle has a base length of **40** centimeters and a height of **90** centimeters. What is the area, in square centimeters, of the triangle?

Question ID 8588cf5e

Assessment	Test	Domain	Skill	Difficulty
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ID: 8588cf5e

A right rectangular prism has a length of **11** meters, a width of **8** meters, and a height of **10** meters. What is the volume, in cubic meters, of the prism?