

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

ID: 5252e606

บางข้อที่เลขหลักหน่วยก็ได้ จะไวมาก 1.1

อ่านค่าตามดี
เค้นหน่วยด้วย

The side length of a square is 55 centimeters (cm). What is the area, **in cm²**, of the square?

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

$$A = 55(55)$$
$$= 3,025 //$$

Question ID 59cb654c

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ID: 59cb654c

1.2

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

~~$x^2 = 64$~~
 ~~$x = 8$~~ , ~~-8~~
//

Question ID 0837c3b9

Assessment	Test	Domain	Skill	Difficulty
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ID: 0837c3b9

1.3

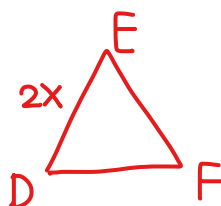
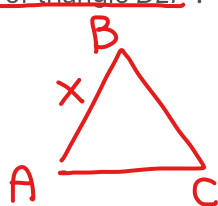
Triangle ABC and triangle DEF are similar triangles, where $\overline{AB}$ and $\overline{DE}$ are corresponding sides. If $DE = 2AB$ and the perimeter of triangle ABC is 20, what is the perimeter of triangle DEF ?

A. 10

~~B. 40~~

C. 80

D. 120



$$\frac{2x}{x} = \frac{y}{20}$$

$$y = 40 //$$

ให้สมมติเลข 1

Question ID c88183f7

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ID: c88183f7

1.4

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

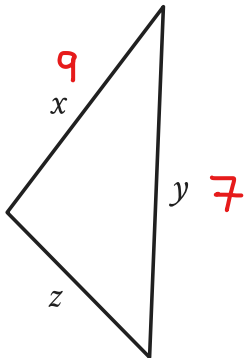
$$2(13) + 2(6) = 38 //$$

Question ID 29e9b28c

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ID: 29e9b28c

1.5



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

$$22 = 9 + 7 + z$$

$$z = 6$$

Question ID 3453aafc

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ID: 3453aafc

1.6

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

$$36(34) = 1,224 //$$

Question ID f60bb551

Assessment	Test	Domain	Skill	Difficulty
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ID: f60bb551

1.7

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

$$70X = 630$$

$$X = 9$$

//

Question ID 4420e500

Assessment	Test	Domain	Skill	Difficulty
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ID: 4420e500

1.8

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

A. 6 cm^2

~~B. 8 cm^2~~

C. 12 cm^2

D. 36 cm^2

$$4(2) = 8 //$$

Question ID 165c30c4

Assessment	Test	Domain	Skill	Difficulty
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ID: 165c30c4

1.9

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

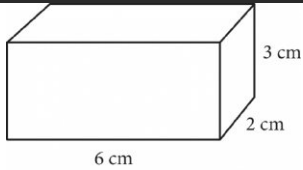
$$64(32) = 2,048 //$$

Question ID d683a9cc

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ID: d683a9cc

1.10



The figure shows the lengths, in centimeters (cm), of the edges of a right rectangular prism. The volume V of a right rectangular prism is ℓwh , where ℓ is the length of the prism, w is the width of the prism, and h is the height of the prism. What is the volume, in cubic centimeters, of the prism?

~~A. 36~~

B. 24

C. 12

D. 11

$$(6)(2)(3) = 36 //$$

Question ID f39f88b7

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ID: f39f88b7

1.11

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?

$$\frac{1}{2} \times 40 \times 90 = 1,800 //$$

Question ID 93f48423

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ID: 93f48423

1.12

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

$7(6) = 42 //$