



Name: _____

Date: _____

1. A triangle has base 4 and height 11. What is its area?

20

22

21

19

2. A box is $4 \times 6 \times 11$. What is its volume?

3. A parallelogram has base 6 and height 5. What is its area?

25

34

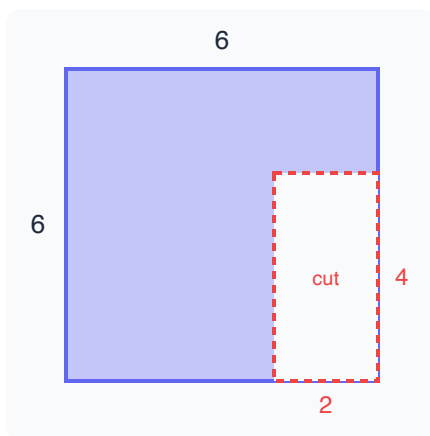
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29

4. A rectangle has area 99 and width 11. What is its length? ____



5. Find the AREA of the shaded (blue) region. The outer rectangle is 6 by 6, and the dashed rectangle (2 by 4) is cut out.



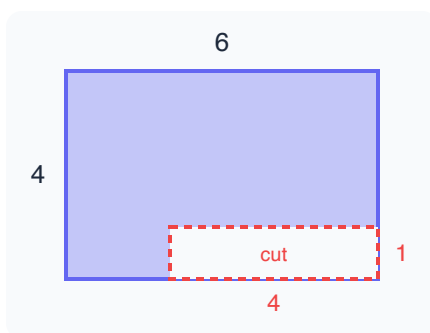
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28

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6. The outer rectangle is 6 by 4; a 4 by 1 rectangle is cut out. The area of the shaded region is ____ square units.



7. A triangle has base 8 and height 6. What is its area?

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24



8. A box is $9 \times 5 \times 5$. What is its volume?

9. A parallelogram has base 10 and height 6. What is its area?

64

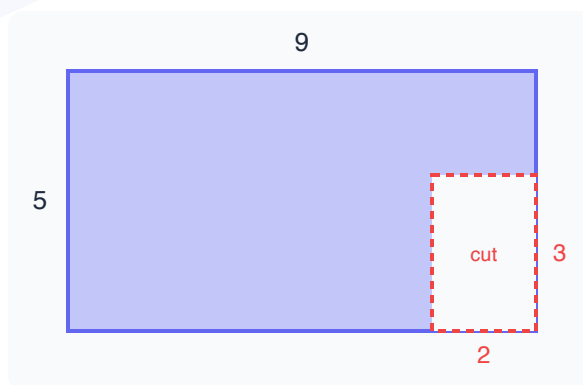
60

58

59

10. A rectangle has area 30 and width 10. What is its length? ____

11. Find the AREA of the shaded (blue) region. The outer rectangle is 9 by 5, and the dashed rectangle (2 by 3) is cut out.



42

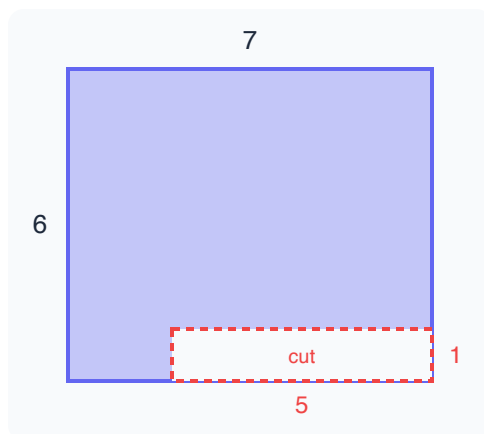
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37

34



12. The outer rectangle is 7 by 6; a 5 by 1 rectangle is cut out. The area of the shaded region is ____ square units.



13. A triangle has base 12 and height 12. What is its area?

77

76

71

72

14. A box is $2 \times 6 \times 10$. What is its volume?

15. A parallelogram has base 11 and height 8. What is its area?

91

89

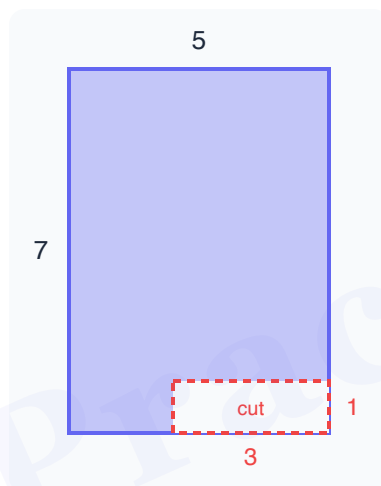
88

86



16. A rectangle has area 77 and width 11. What is its length? ____

17. Find the AREA of the shaded (blue) region. The outer rectangle is 5 by 7, and the dashed rectangle (3 by 1) is cut out.



32

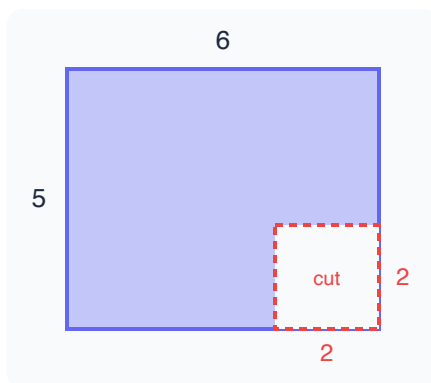
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18. The outer rectangle is 6 by 5; a 2 by 2 rectangle is cut out. The area of the shaded region is ____ square units.





Answer Key

1. **22** Area = $\frac{1}{2} \times 4 \times 11 = 22$.
2. **264** Volume = $4 \times 6 \times 11 = 264$.
3. **30** Area of a parallelogram = base $\times$ height = $6 \times 5 = 30$.
4. **9** Length = area $\div$ width = $99 \div 11 = 9$.
5. **28** Big rectangle = $6 \times 6 = 36$. Cut-out = $2 \times 4 = 8$. Shaded = $36 - 8 = 28$.
6. **20** $6 \times 4 - 4 \times 1 = 24 - 4 = 20$.
7. **24** Area = $\frac{1}{2} \times 8 \times 6 = 24$.
8. **225** Volume = $9 \times 5 \times 5 = 225$.
9. **60** Area of a parallelogram = base $\times$ height = $10 \times 6 = 60$.
10. **3** Length = area $\div$ width = $30 \div 10 = 3$.
11. **39** Big rectangle = $9 \times 5 = 45$. Cut-out = $2 \times 3 = 6$. Shaded = $45 - 6 = 39$.
12. **37** $7 \times 6 - 5 \times 1 = 42 - 5 = 37$.
13. **72** Area = $\frac{1}{2} \times 12 \times 12 = 72$.
14. **120** Volume = $2 \times 6 \times 10 = 120$.
15. **88** Area of a parallelogram = base $\times$ height = $11 \times 8 = 88$.
16. **7** Length = area $\div$ width = $77 \div 11 = 7$.
17. **32** Big rectangle = $5 \times 7 = 35$. Cut-out = $3 \times 1 = 3$. Shaded = $35 - 3 = 32$.
18. **26** $6 \times 5 - 2 \times 2 = 30 - 4 = 26$.