



Name: _____

Date: _____

1. A triangle has base 8 and height 11. What is its area?

44

45

43

48

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

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

91

94

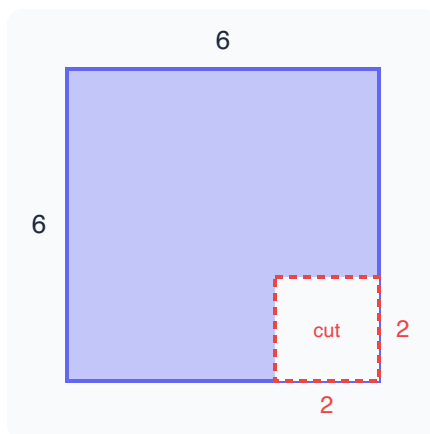
95

90

4. A rectangle has area 12 and width 2. 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 2) is cut out.



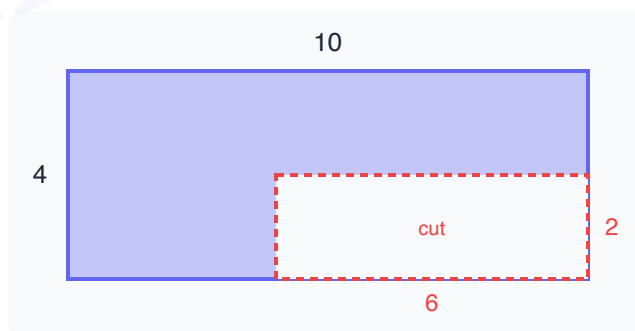
30

26

32

37

6. The outer rectangle is 10 by 4; a 6 by 2 rectangle is cut out. The area of the shaded region is ____ square units.



7. A triangle has base 15 and height 12. What is its area?

85

92

90

86



8. A box is $10 \times 8 \times 5$. What is its volume?

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

120

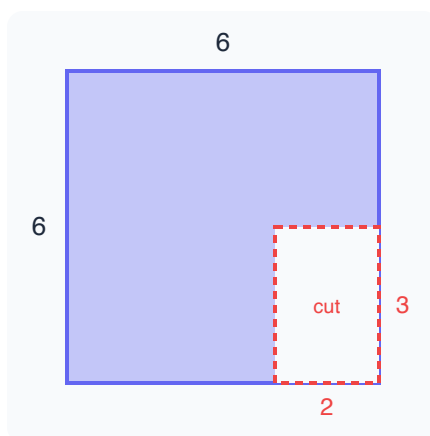
123

116

114

10. A rectangle has area 24 and width 2. What is its length? ____

11. Find the AREA of the shaded (blue) region. The outer rectangle is 6 by 6, and the dashed rectangle (2 by 3) is cut out.



30

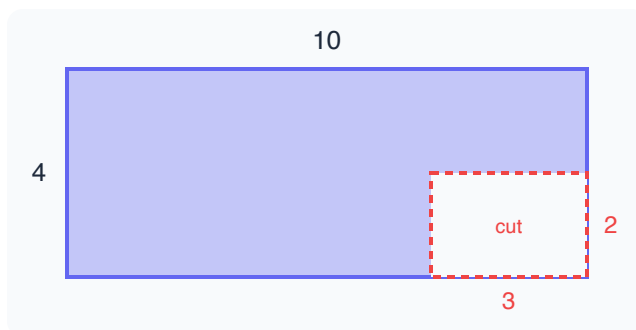
32

28

24



12. The outer rectangle is 10 by 4; a 3 by 2 rectangle is cut out. The area of the shaded region is ____ square units.



13. A triangle has base 9 and height 12. What is its area?

50

54

59

51

14. A box is $4 \times 2 \times 12$. What is its volume?

15. A parallelogram has base 13 and height 4. What is its area?

49

52

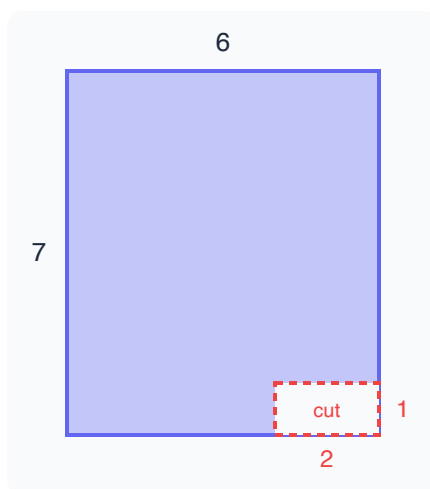
48

54

16. A rectangle has area 36 and width 9. What is its length? ____



17. Find the AREA of the shaded (blue) region. The outer rectangle is 6 by 7, and the dashed rectangle (2 by 1) is cut out.



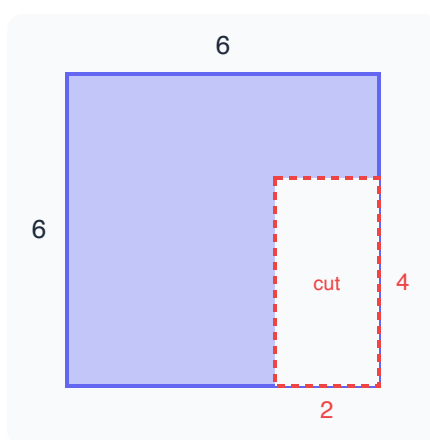
40

41

46

35

18. The outer rectangle is 6 by 6; a 2 by 4 rectangle is cut out. The area of the shaded region is ____ square units.





Answer Key

1. **44** Area = $\frac{1}{2} \times 8 \times 11 = 44$.
2. **176** Volume = $4 \times 11 \times 4 = 176$.
3. **90** Area of a parallelogram = base $\times$ height = $9 \times 10 = 90$.
4. **6** Length = area $\div$ width = $12 \div 2 = 6$.
5. **32** Big rectangle = $6 \times 6 = 36$. Cut-out = $2 \times 2 = 4$. Shaded = $36 - 4 = 32$.
6. **28** $10 \times 4 - 6 \times 2 = 40 - 12 = 28$.
7. **90** Area = $\frac{1}{2} \times 15 \times 12 = 90$.
8. **400** Volume = $10 \times 8 \times 5 = 400$.
9. **120** Area of a parallelogram = base $\times$ height = $15 \times 8 = 120$.
10. **12** Length = area $\div$ width = $24 \div 2 = 12$.
11. **30** Big rectangle = $6 \times 6 = 36$. Cut-out = $2 \times 3 = 6$. Shaded = $36 - 6 = 30$.
12. **34** $10 \times 4 - 3 \times 2 = 40 - 6 = 34$.
13. **54** Area = $\frac{1}{2} \times 9 \times 12 = 54$.
14. **96** Volume = $4 \times 2 \times 12 = 96$.
15. **52** Area of a parallelogram = base $\times$ height = $13 \times 4 = 52$.
16. **4** Length = area $\div$ width = $36 \div 9 = 4$.
17. **40** Big rectangle = $6 \times 7 = 42$. Cut-out = $2 \times 1 = 2$. Shaded = $42 - 2 = 40$.
18. **28** $6 \times 6 - 2 \times 4 = 36 - 8 = 28$.