



Name: _____

Date: _____

1. A triangle has base 10 and height 7. What is its area?

30

33

35

37

2. A box is $3 \times 2 \times 8$. What is its volume?

3. A parallelogram has base 15 and height 3. What is its area?

45

42

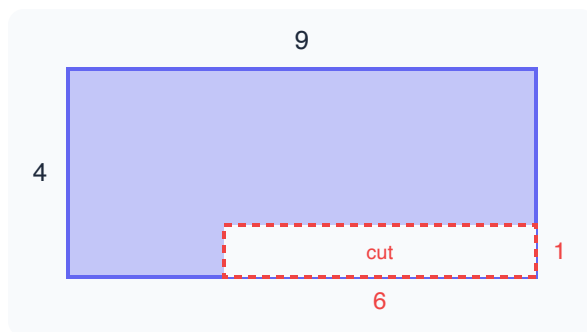
51

49

4. A rectangle has area 27 and width 9. What is its length? ____



5. Find the AREA of the shaded (blue) region. The outer rectangle is 9 by 4, and the dashed rectangle (6 by 1) is cut out.



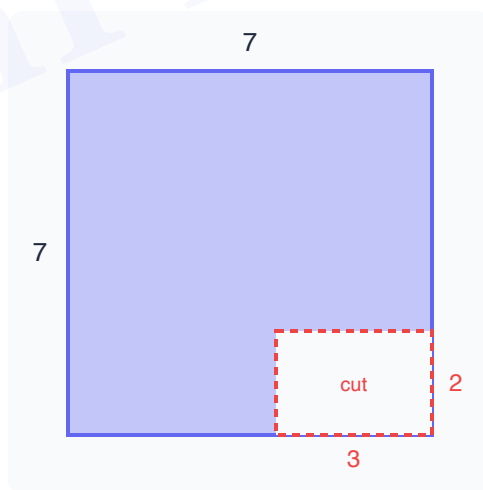
30

28

33

31

6. The outer rectangle is 7 by 7; a 3 by 2 rectangle is cut out. The area of the shaded region is ____ square units.





7. A triangle has base 11 and height 5. What is its area?

23.5

25.5

31.5

27.5

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

9. A parallelogram has base 13 and height 10. What is its area?

132

133

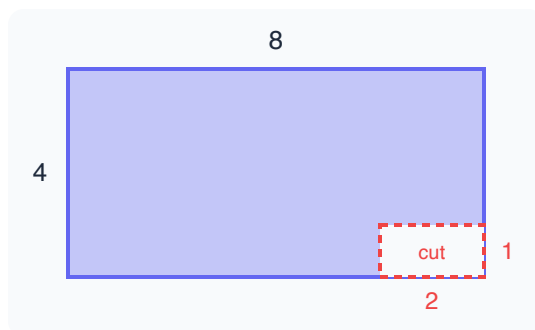
130

131

10. A rectangle has area 32 and width 4. What is its length? ____



11. Find the AREA of the shaded (blue) region. The outer rectangle is 8 by 4, and the dashed rectangle (2 by 1) is cut out.



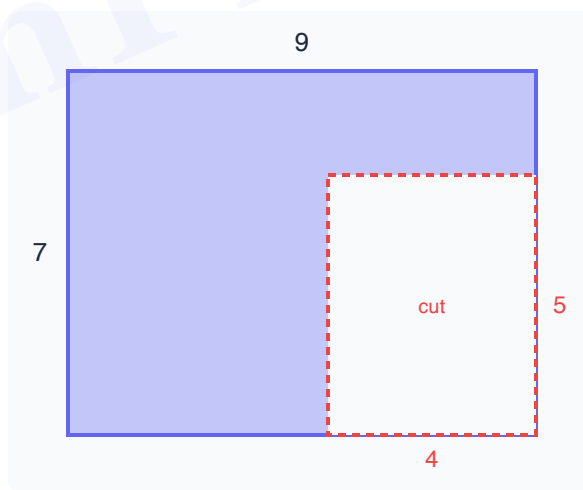
33

27

36

30

12. The outer rectangle is 9 by 7; a 4 by 5 rectangle is cut out. The area of the shaded region is ____ square units.





13. A triangle has base 8 and height 3. What is its area?

12

15

13

7

14. A box is $10 \times 8 \times 2$. What is its volume?

15. A parallelogram has base 7 and height 10. What is its area?

71

68

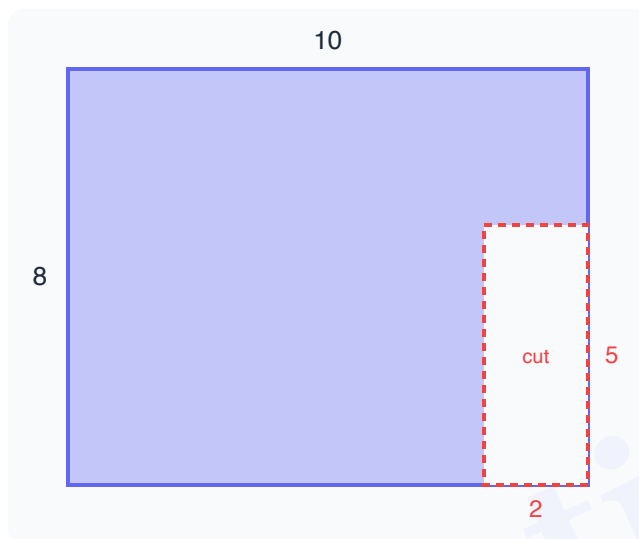
64

70

16. A rectangle has area 24 and width 6. What is its length? ____



17. Find the AREA of the shaded (blue) region. The outer rectangle is 10 by 8, and the dashed rectangle (2 by 5) is cut out.



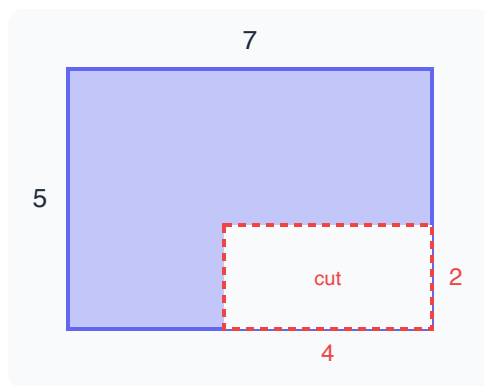
71

70

66

67

18. The outer rectangle is 7 by 5; a 4 by 2 rectangle is cut out. The area of the shaded region is ____ square units.





Answer Key

1. **35** Area = $\frac{1}{2} \times 10 \times 7 = 35$.
2. **48** Volume = $3 \times 2 \times 8 = 48$.
3. **45** Area of a parallelogram = base $\times$ height = $15 \times 3 = 45$.
4. **3** Length = area $\div$ width = $27 \div 9 = 3$.
5. **30** Big rectangle = $9 \times 4 = 36$. Cut-out = $6 \times 1 = 6$. Shaded = $36 - 6 = 30$.
6. **43** $7 \times 7 - 3 \times 2 = 49 - 6 = 43$.
7. **27.5** Area = $\frac{1}{2} \times 11 \times 5 = 27.5$.
8. **200** Volume = $5 \times 5 \times 8 = 200$.
9. **130** Area of a parallelogram = base $\times$ height = $13 \times 10 = 130$.
10. **8** Length = area $\div$ width = $32 \div 4 = 8$.
11. **30** Big rectangle = $8 \times 4 = 32$. Cut-out = $2 \times 1 = 2$. Shaded = $32 - 2 = 30$.
12. **43** $9 \times 7 - 4 \times 5 = 63 - 20 = 43$.
13. **12** Area = $\frac{1}{2} \times 8 \times 3 = 12$.
14. **160** Volume = $10 \times 8 \times 2 = 160$.
15. **70** Area of a parallelogram = base $\times$ height = $7 \times 10 = 70$.
16. **4** Length = area $\div$ width = $24 \div 6 = 4$.
17. **70** Big rectangle = $10 \times 8 = 80$. Cut-out = $2 \times 5 = 10$. Shaded = $80 - 10 = 70$.
18. **27** $7 \times 5 - 4 \times 2 = 35 - 8 = 27$.