Equations from shapes: perimeter, area and angles worksheet – Grade 7

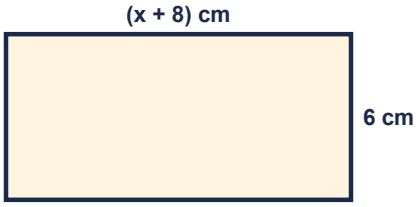
Grade 7 · Mixed level · 20 questions · **Version X2225**

Name: _____ Date: _____ Score: ___ / 20

Scan to check answers + earn stars

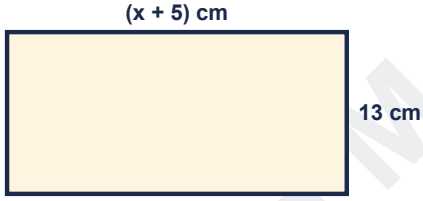
Done the worksheet? Scan the code (or enter version X2225 on this skill's page at themathmeridian.com) to check your answers online and earn stars.

1. The rectangle has an area of 216 cm². Find x.



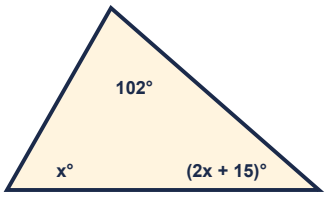
Answer: _____ cm²

2. The rectangle has a perimeter of 70 cm. Find x.



Answer: _____ cm

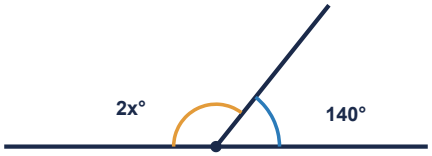
3. Find x in the triangle.



Answer: _____

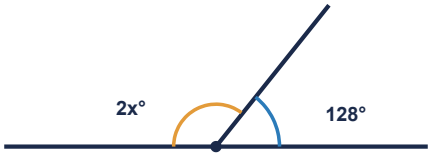
The Math Meridian

4. The two angles lie on a straight line. Find x.



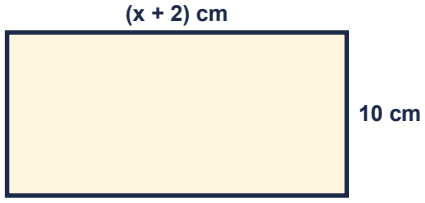
Answer: _____

5. The two angles lie on a straight line. Find x.



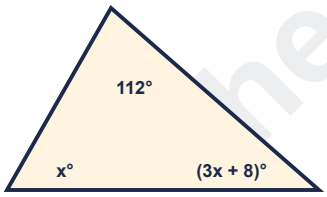
Answer: _____

6. The rectangle has a perimeter of 32 cm. Find x.



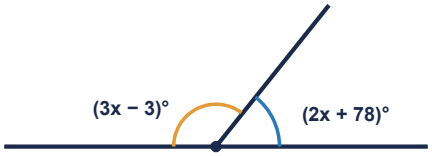
Answer: _____ cm

7. Find x in the triangle.



Answer: _____

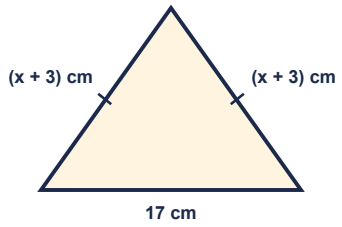
8. The two angles lie on a straight line. Find x.



Answer: _____

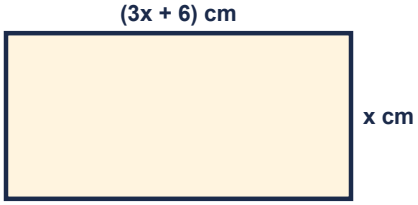
The Math Meridian

9. The isosceles triangle has a perimeter of 71 cm. Find x.



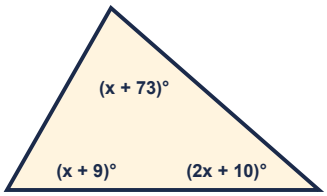
Answer: _____ cm

10. The rectangle has a perimeter of 156 cm. Find x.



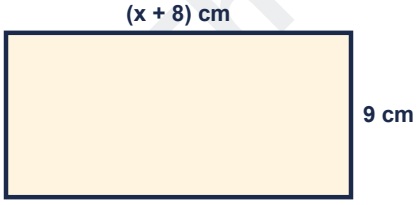
Answer: _____ cm

11. Find x in the triangle.



Answer: _____

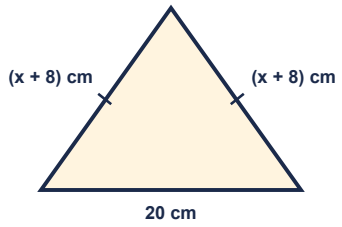
12. The rectangle has an area of 270 cm². Find x.



Answer: _____ cm²

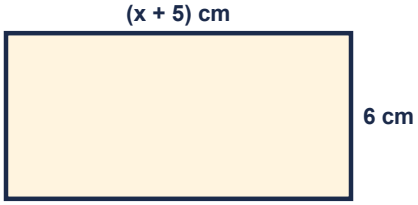
The Math Meridian

13. The isosceles triangle has a perimeter of 84 cm. Find x.



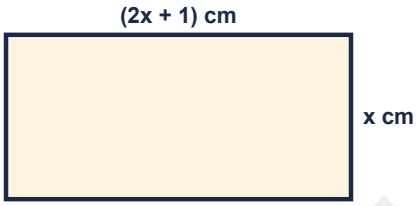
Answer: _____ cm

14. The rectangle has an area of 174 cm². Find x.



Answer: _____ cm²

15. The rectangle has a perimeter of 110 cm. What is its area in cm²?



Answer: _____ cm

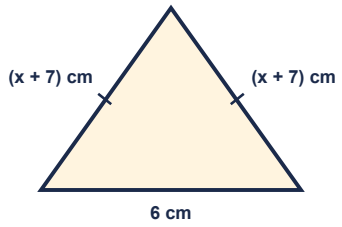
16. The two angles lie on a straight line. Find x.



Answer: _____

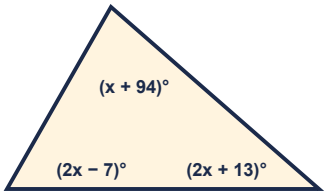
The Math Meridian

17. The isosceles triangle has a perimeter of 66 cm. How long is each of the two equal sides?



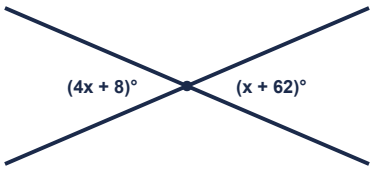
Answer: _____ cm

18. Find x in the triangle.



Answer: _____

19. The two lines cross. Find x.



Answer: _____

20. The two lines cross. What is the size of each marked angle, in degrees?



Answer: _____ °

The Math Meridian

Answer key · Version X2225

Equations from shapes: perimeter, area and angles worksheet – Grade 7 · Grade 7 · to reprint this sheet or check the answers, enter X2225 on the skill page.

1. **28**
2. **17**
3. **21**
4. **20**
5. **26**
6. **4**
7. **15**
8. **21**
9. **24**
10. **18**
11. **22**
12. **22**
13. **24**
14. **24**
15. **666**
16. **4**
17. **30**
18. **16**
19. **18**
20. **27**

The Math Meridian