

Summer Math 7 Review - BONUS

Simplify each expression. No calculator.

1) $(-4) - (-2) - (-3) + 3$

2) $0.7 + (-2.9)$

3) $4.8 + 0.7 - 1.2$

4) $1\frac{3}{4} - 1\frac{3}{5}$

5) $\left(-\frac{2}{5}\right) + \left(-\frac{2}{3}\right)$

6) $(5.5)(-2.2)$

7) $-\frac{5}{3} \cdot \frac{1}{6}$

8) $-\frac{5}{4} \cdot -\frac{1}{2}$

9) $6 - 9 \div 3$

10) $2 \cdot 5 - (3 - 1)$

11) $(-2 - (4 - -4)) \cdot 3$

12) $0.4 \cdot 1.3 - 2.7$

13) $\frac{3}{2}\left(4 + \frac{1}{5}\right)$

14) $-2 - 1 - \frac{1}{3}$

Evaluate each using the values given. No calculator.

15) $x - (y + x)$; use $x = 6$, and $y = -2$

16) $yx - x$; use $x = -3$, and $y = 5$

Simplify each expression. No calculator.

17) $3 - 3x + 7x$

18) $-(4 - 10n)$

19) $8(-m + 9) + 8m$

20) $3(a + 3) - 10(8a - 10)$

Solve each equation using algebra. Be sure to show inverse operations.

21) $-10 + \frac{m}{4} = -11$

22) $-67 = 6n + 5$

Write an equation. Solve using algebra.

23) A stray dog ate $\frac{4}{5}$ of your muffins. That was $\frac{9}{10}$ of all of them! How many are left?

24) Kim spent half of her weekly allowance on clothes. To earn more money her parents let her weed the garden for \$7. What is her weekly allowance if she ended with \$13?

Write each as a decimal. No calculator

25) 4%

26) 739%

Write each as a percent. No calculator.

27) $\frac{9}{23}$

28) $\frac{13}{25}$

Solve each problem. Calculator permitted.

29) 21 is what percent of 4?

30) What is 12% of 5?

31) 55% of what is 22?

32) 129 is 43% of what?

Find the selling price of each item. Calculator permitted.

33) Original price of a truck: \$13,500.00
Discount: 57%

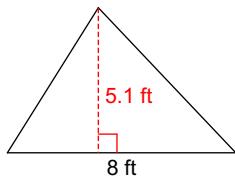
34) Original price of an MP3 player: \$49.95
Tax: 4%

35) Cost of a cell phone: \$249.50
Markup: 10%
Tax: 1%

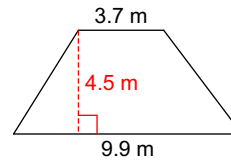
36) Original price of a purse: \$159.99
Discount: 30%
Tax: 5%

Find the area of each. Calculator permitted.

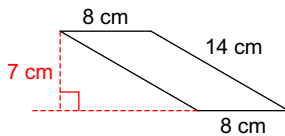
37)



38)

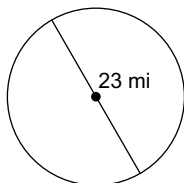


39)



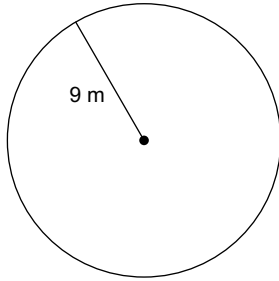
Find the circumference. Calculator permitted. Round your answer to nearest tenth.

40)

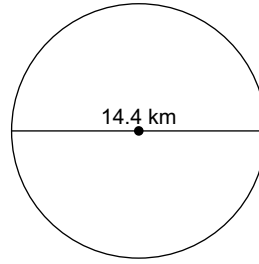


Find the area of each. Calculator permitted. Round your answer to the nearest tenth.

41)



42)

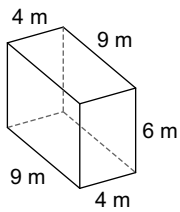


43) radius = 8 in

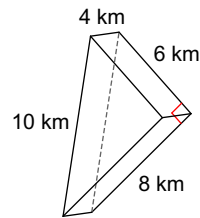
44) diameter = 14 mi

Find the volume of each figure. Calculator permitted. Round to the nearest tenth.

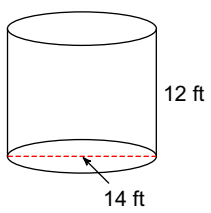
45)



46)

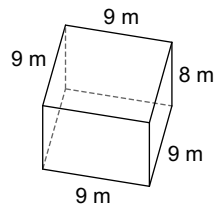


47)

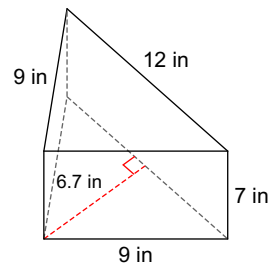


Find the surface area of each figure. Round to the nearest tenth.

48)



49)



50)

