

Summer Math Packet

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Find each sum.

1) $\frac{7}{4} + \frac{3}{2}$

2) $\frac{15}{8} + \frac{15}{8}$

3) $\frac{9}{7} + \frac{13}{8}$

4) $2 + \frac{5}{7}$

5) $\frac{2}{7} + \frac{8}{7}$

Find each difference.

6) $\frac{11}{7} - \frac{4}{7}$

7) $1 - \frac{1}{4}$

8) $2 - \frac{3}{2}$

9) $2 - \frac{7}{5}$

10) $\frac{7}{6} - \frac{6}{7}$

Write each as a decimal. Round to the thousandths place.

11) $4\frac{27}{80}$

12) $2\frac{73}{100}$

13) $5\frac{7}{8}$

14) $6\frac{3}{4}$

15) $9\frac{37}{100}$

Write each as a percent. Round to the nearest tenth of a percent.

16) 0.54

17) 0.59

18) 0.07

19) 0.3

20) 0.19

Write each as a percent. Round to the nearest percent.

21) 0.07

22) 0.6

23) 0.41

24) 0.96

Write each as a percent. Round to the nearest tenth of a percent.

25) $\frac{53}{80}$

26) $\frac{4}{5}$

27) $\frac{3}{8}$

28) $\frac{7}{8}$

Evaluate each expression.

29) $6 \times 6 - (3 - 2)$

30) $(5 + 11) \div 4 - 3$

31) $16 \div (5 - 1) \times 2$

32) $8 \div 4 + 2 + 2$

33) If $(7 \times n) - 7 = 14$, then $n =$

- A) 2 B) 3
C) 7 D) 14

34) $2 \times \underline{\hspace{1cm}} = 40 \times 0.001$ What number should be put in the space to make the equation true?

- A) 0.00002 B) 0.0004
C) 0.001 D) 0.02

35) $5^4 =$

36) What is the lowest common denominator of $\frac{5}{6}$ and $\frac{1}{9}$?

37) The human body is about 60 percent water by weight. Which of the following represents 60 percent as a decimal?

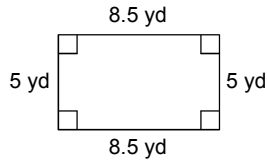
- A) 60.0 B) 6.0
C) 0.06 D) 0.60

38) $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} =$

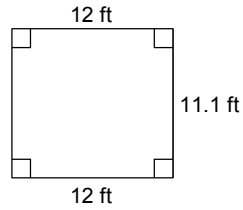
39) What is 61.999 rounded to the nearest tenth?

Find the area of each.

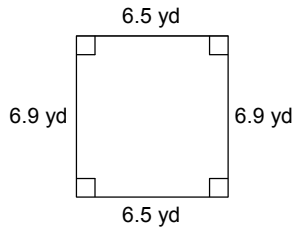
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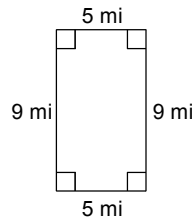
41)



42)

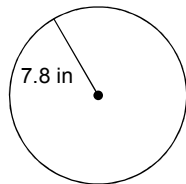


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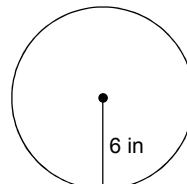


Find the diameter of each circle. Round your answer to the nearest tenth.

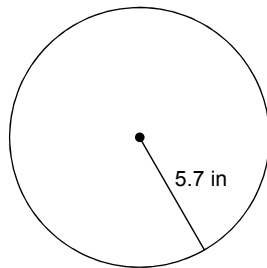
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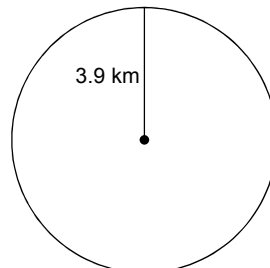
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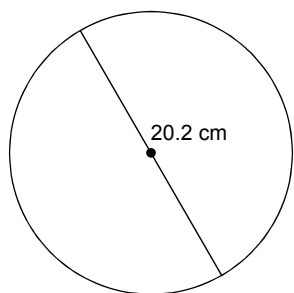


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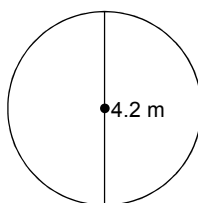


Find the radius of each circle. Round your answer to the nearest tenth.

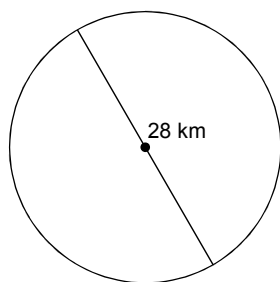
48)



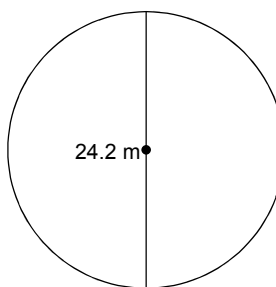
49)



50)



51)



52) A colony of ants carried away 18 of your muffins. That was $\frac{9}{10}$ of all of them! How many are left?

53) After paying \$4.90 for a pizza, Sumalee has \$16.16. With how much money did she start?

54) A recipe for pancakes calls for 4 cups of flour. Shawna has already put in $3\frac{1}{3}$ cups. How many more cups does she need to put in?

55) Your father gave you \$15 with which to buy a present. This covered $\frac{5}{6}$ of the cost. How much did the present cost?

Evaluate each using the values given.

56) $y + z - 3$; use $y = 2$, and $z = 2$

57) $p \div 4 + q$; use $p = 4$, and $q = 2$

58) $j(h + 1)$; use $h = 1$, and $j = 3$

59) $x - y \div 3$; use $x = 2$, and $y = 3$

60) $(b + a) \div 4$; use $a = 1$, and $b = 3$

Simplify each. Write your answer as a mixed number when possible.

61) $3\frac{18}{54}$

62) $3\frac{24}{32}$

Answers to Summer Math Packet

1) $\frac{13}{4}$

5) $\frac{10}{7}$

9) $\frac{3}{5}$

13) 5.875

17) 59%

21) 7%

25) 66.3%

29) 35

33) B

37) D

41) 133.2 ft²

45) 12 in

49) 2.1 m

53) \$21.06

57) 3

61) $3\frac{1}{3}$

2) $\frac{15}{4}$

6) 1

10) $\frac{13}{42}$

14) 6.75

18) 7%

22) 60%

26) 80%

30) 1

34) D

38) $\frac{1}{8}$

42) 44.85 yd²

46) 11.4 in

50) 14 km

54) $\frac{2}{3}$

58) 6

62) $3\frac{3}{4}$

3) $\frac{163}{56}$

7) $\frac{3}{4}$

11) 4.338

15) 9.37

19) 30%

23) 41%

27) 37.5%

31) 8

35) 5 x 5 x 5 x 5

39) 62.0

43) 45 mi²

47) 7.8 km

51) 12.1 m

55) \$18

59) 1

4) $\frac{19}{7}$

8) $\frac{1}{2}$

12) 2.73

16) 54%

20) 19%

24) 96%

28) 87.5%

32) 6

36) 18

40) 42.5 yd²

44) 15.6 in

48) 10.1 cm

52) 2

56) 1

60) 1