Student: _____	Instructor: Alfredo Alvarez	Assignment: MATH123FIESTAB
Date: _____	Course: Martin-Gay Basic Math	

1. Add.

```
    51
  + 28
  ____
```

The sum is [   ] .

   Answer: 79

2. Add.

```
    14
    23
  + 32
  ____
```

The sum is [   ] .

   Answer: 69

3. Find the perimeter of the figure.

6 inches

14 inches
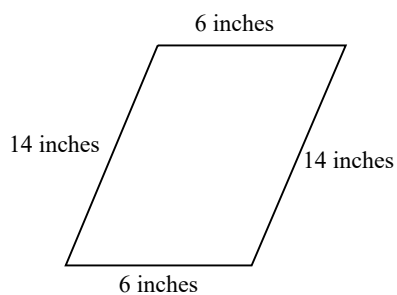
14 inches

6 inches

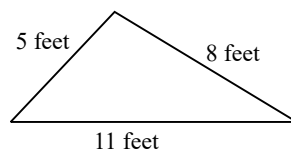The perimeter is [   ] (1) [   ]
(Type a whole number.)

(1) ○ cubic inches.
    ○ inches.
    ○ square inches.

   Answers 40

          (1) inches.

4. Find the perimeter of the figure.
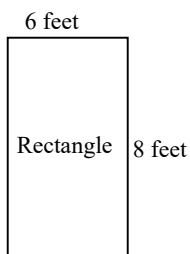
5 feet   8 feet

11 feet

The perimeter is [ ] (1) [ ]
(Type a whole number.)

(1) ◯ square feet.
    ◯ cubic feet.
    ◯ feet.

Answers 24

(1) feet.

5. Find the perimeter of the figure.

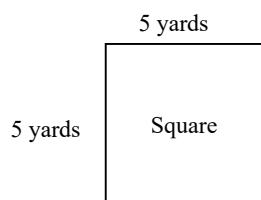6 feet

Rectangle 8 feet

The perimeter is [ ] (1) [ ]
(Type a whole number.)

(1) ◯ feet.
    ◯ square feet.
    ◯ cubic feet.

Answers 28

(1) feet.

6. Find the perimeter of the figure.
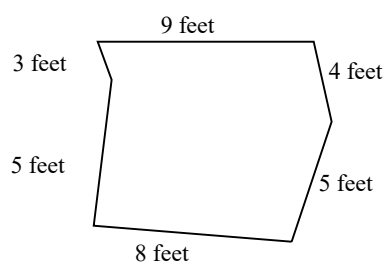
5 yards

5 yards   Square

The perimeter is [ ] (1) [ ]
(Type a whole number.)

(1) ○ yards.
○ cubic yards.
○ square yards.

Answers 20

(1) yards.

7. Find the perimeter of the figure.

9 feet
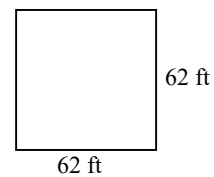
3 feet

4 feet

5 feet

5 feet

8 feet

The perimeter is [ ] (1) [ ]
(Type a whole number.)

(1) ○ cubic feet.
○ square feet.
○ feet.

Answers 34

(1) feet.

8. A permanent game board is made of granite. Find the perimeter of the square playing board.

62 ft

62 ft

The perimeter is [ ] (1) [ ]

(1) ○ cubic feet.
   ○ square feet.
   ○ feet.

Answers 248

   (1) feet.

---

9. Find the difference.

   $10 - 10$

$10 - 10 =$ [ ]

Answer: 0

---

10. Subtract.

   $$\begin{array}{r} 98 \\ -\ 47 \\ \hline \end{array}$$

The difference is [ ].

Answer: 51

---

11. Subtract.

   $$\begin{array}{r} 61 \\ -\ 32 \\ \hline \end{array}$$

The difference is [ ].

Answer: 29

---

12. Subtract. Check by adding.

$$\begin{array}{r} 9\ 0 \\ -\ 7\ 9 \\ \hline \end{array}$$

The difference is [   ] .

   Answer: 11

13. Evelyn Abrams is reading a 735-page book. If she has just finished reading page 660, how many more pages must she read to finish the book?

[   ] pages

   Answer: 75

14. Subtract.

   $43 - 37$

The answer is [   ] .

   Answer: 6

15. Round 865 to the nearest ten.

865 rounded to the nearest ten is [   ] .

   Answer: 870

16. Round 3,277 to the nearest hundred.

The number 3,277 rounded to the nearest hundred is [   ] .

   Answer: 3,300

17. Round 695 to the nearest ten.

695 rounded to the nearest ten is [   ] .

   Answer: 700

18. Round 46,278 to the nearest thousand.

46,278 rounded to the nearest thousand is [   ] .

   Answer: 46,000

19. Use the distributive property to rewrite each expression.

$2(3 + 9)$

$2(3 + 9) =$ ☐

(Type an expression. Do not simplify.)

Answer: $2 \cdot 3 + 2 \cdot 9$

---

20. Multiply.

$$\begin{array}{r} 46 \\ \times\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ \times\quad 5 \\ \hline \boxed{} \end{array}$$

Answer: 230

---

21. Multiply.

$$\begin{array}{r} 466 \\ \times\quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 466 \\ \times\quad 7 \\ \hline \boxed{} \end{array}$$
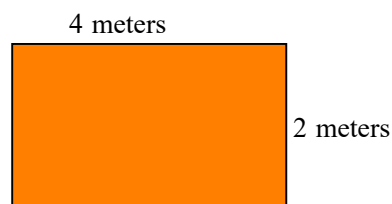
Answer: 3262

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22. Multiply.

$$\begin{array}{r} 28 \\ \times\ 36 \\ \hline \end{array}$$

The product is ☐ .

Answer: 1008

23.

Find the area and the perimeter of the rectangle shown to the right.

4 meters

2 meters

The area of the rectangle is [ ] (1) [ ]

The perimeter of the rectangle is [ ] (2) [ ]

(1) ○ cubic meters.   (2) ○ cubic meters.
     ○ square meters.   ○ square meters.
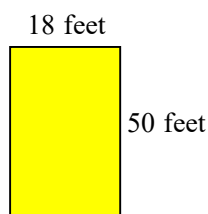   ○ meters.   ○ meters.

Answers 8

    (1) square meters.

    12

    (2) meters.

24.

Find the area and the perimeter of the rectangle shown to the right.

18 feet

50 feet

The area of the rectangle is [ ] (1) [ ]

The perimeter of the rectangle is [ ] (2) [ ]

(1) ○ cubic feet.   (2) ○ square feet.
     ○ feet.   ○ cubic feet.
     ○ square feet.   ○ feet.

Answers 900

    (1) square feet.

    136

    (2) feet.

25. Find the following quotient.

    $42 \div 6$

    Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

    ○ **A.** $42 \div 6 = $ _____ (Simplify your answer.)
    ○ **B.** The answer is undefined.

    Answer: A. $42 \div 6 = $ | **7** | (Simplify your answer.)

26. Find the following quotient.

    $65 \div 5$

    Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

    ○ **A.** $65 \div 5 = $ _____ (Simplify your answer.)
    ○ **B.** The answer is undefined.

    Answer: A. $65 \div 5 = $ | **13** | (Simplify your answer.)

27. Find the following quotient.

    $0 \div 6$

    Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

    ○ **A.** $0 \div 6 = $ _____ (Simplify your answer.)
    ○ **B.** The quotient is undefined.

    Answer: A. $0 \div 6 = $ | **0** | (Simplify your answer.)

28. Find the following quotient.

    $33 \div 1$

    Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

    ○ **A.** $33 \div 1 = $ _____ (Simplify your answer.)
    ○ **B.** The answer is undefined.

    Answer: A. $33 \div 1 = $ | **33** | (Simplify your answer.)

29. Find the following quotient.

$$\frac{47}{47}$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- **A.** $\frac{47}{47}$ = _____ (Simplify your answer.)
- **B.** The answer is undefined.

Answer: A. $\frac{47}{47}$ = $\boxed{\text{1}}$ (Simplify your answer.)

30. Find the quotient.

$$\frac{35}{5}$$

Select the correct choice below and fill in any answer boxes in your choice.

- **A.** $\frac{35}{5}$ = _____
- **B.** The answer is undefined.

Answer: A. $\frac{35}{5}$ = $\boxed{\text{7}}$

31. Find the following quotient.

$$35 \div 7$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- **A.** $35 \div 7$ = _____ (Simplify your answer.)
- **B.** The answer is undefined.

Answer: A. $35 \div 7$ = $\boxed{\text{5}}$ (Simplify your answer.)

32. Divide the following and then check by multiplying.

    $2\overline{)48}$

    Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

    ○ **A.** The quotient does not have a remainder. The quotient is _____ .

    ○ **B.** The quotient has a remainder not equal to 0. The quotient is _____ R

    _____ .

    ○ **C.** The quotient is undefined.

    Answer: A. The quotient does not have a remainder. The quotient is | **24** | .

33. Divide the following and then check by multiplying.

    $32 \div 8$

    Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

    ○ **A.** The quotient does not have a remainder. The quotient is _____ .

    ○ **B.** The quotient has a remainder not equal to 0. The quotient is _____ R

    _____ .

    ○ **C.** The quotient is undefined.

    Answer: A. The quotient does not have a remainder. The quotient is | **4** | .

34. Divide the following and then check by multiplying.

    $8\overline{)273}$

    Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

    ○ **A.** The quotient does not have a remainder. The quotient is _____ .

    ○ **B.** The quotient has a remainder not equal to 0. The quotient is _____ R

    _____ .

    ○ **C.** The quotient is undefined.

    Answer: B. The quotient has a remainder not equal to 0. The quotient is | **34** | R | **1** | .

35. What is the total of 32 and 3?

    The total of 32 and 3 is | _____ | .
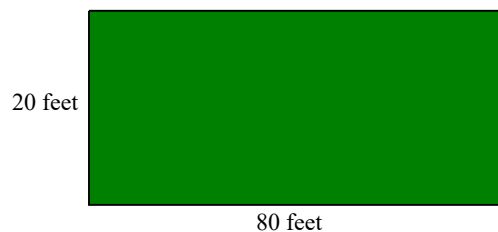
    Answer: 35

36. 60 times 40 is what number?

60 times 40 is [＿＿＿＿].

Answer: 2400

37. A vacant lot in the shape of a rectangle measures 80 feet by 20 feet.

a. What is the perimeter of the lot?
b. What is the area of the lot?

20 feet

80 feet

a. The perimeter of the lot is [＿＿＿＿] (1) [＿＿＿＿]

b. The area of the lot is [＿＿＿＿] (2) [＿＿＿＿]

(1) ○ square feet.   (2) ○ feet.
   ○ feet.   ○ cubic feet.
   ○ cubic feet.   ○ square feet.

Answers 200

   (1) feet.

   1600

   (2) square feet.

38. There are 24 hours in a day. How many hours are in 7 days?

There are [＿＿＿＿] hours in 7 days.

Answer: 168

39. The average weekly pay for a records clerk is $320. If the clerk works 40 hours in one week, what is his or her hourly pay?

The hourly pay is $[＿＿＿＿] an hour.

Answer: 8

40. Five ounces of canned fish in oil has 335 calories. How many calories does 1 ounce have?

One ounce of canned fish in oil will have [＿＿＿＿] calories. (Simplify your answer.)

Answer: 67

41. Find the value of the expression.

$$12^2$$

$12^2 = \boxed{}$

Answer: 144

42. Find the square root.

$$\sqrt{25}$$

$\sqrt{25} = \boxed{}$

Answer: 5

43. Simplify.

$$12 + 8 \cdot 4$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

○ **A.** $12 + 8 \cdot 4 = \underline{}$

○ **B.** The expression is undefined.

Answer: A. $12 + 8 \cdot 4 = \boxed{\textbf{44}}$

44. Simplify.

$$16 \div 8 - 1$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

○ **A.** $16 \div 8 - 1 = \underline{}$

○ **B.** The expression is undefined.

Answer: A. $16 \div 8 - 1 = \boxed{\textbf{1}}$

45. Simplify.

$$7 \cdot 5 + 4 \cdot 5$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

○ **A.** $7 \cdot 5 + 4 \cdot 5 = \underline{}$

○ **B.** The expression is undefined.

Answer: A. $7 \cdot 5 + 4 \cdot 5 = \boxed{\textbf{55}}$

46. Simplify.

$(5 + 6) \cdot (9 - 6)$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

○ **A.** $(5 + 6) \cdot (9 - 6) = $ _____

○ **B.** The expression is undefined.

Answer: A. $(5 + 6) \cdot (9 - 6) = $ | **33** |

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47. Write a fraction to represent the shaded part of the figure.
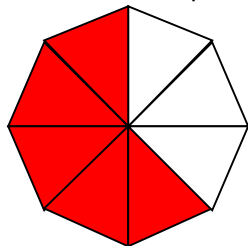
The fraction representing the shaded part is [   ] .

Answer: $\dfrac{5}{8}$

48.

Write a fraction to represent the shaded region of the figure.
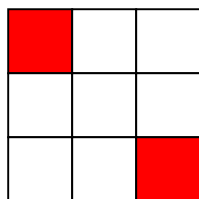
Answer: $\dfrac{2}{9}$

The fraction that represents the shaded region of this figure is [   ] .

---

49. Write a fraction to represent the shaded region of the figure.
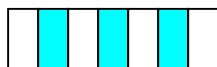
A fraction which represents the figure is [   ] .

Answer: $\dfrac{3}{7}$

50. Type a fraction to represent the shaded part.

What is the fraction represented by the shaded part?

[   ] (Do not simplify.)

Answer: $\dfrac{7}{12}$

51.

Write a fraction to represent the shaded region of the figure.
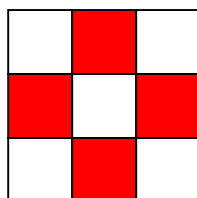
The fraction that represents the shaded region of this figure is [   ].

Answer: $\dfrac{4}{9}$

---

52. Write a fraction to represent the shaded part of the syringe.

The fraction represented by the shaded parts is [   ].

Answer: $\dfrac{1}{8}$

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53. Write a fraction to represent the shaded part of the distance.
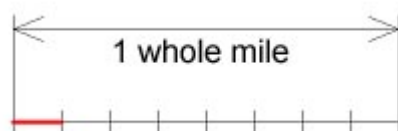
The fraction that represents the shaded part is [   ].

Answer: $\dfrac{1}{8}$

---

54. Draw and shade a part of a diagram to represent the fraction.

$\frac{3}{7}$ of a diagram

Which shaded region below represents $\frac{3}{7}$?

○ **A.**   ○ **B.**

○ **C.**   ○ **D.**

Answer:

C.

55. Draw and shade a part of a figure to represent the fraction.

$\frac{5}{8}$ of a figure
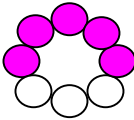
Which shaded region below represents $\frac{5}{8}$?
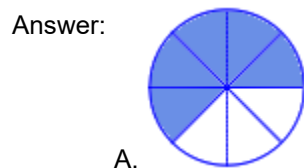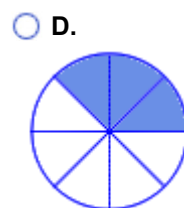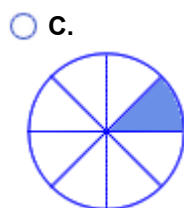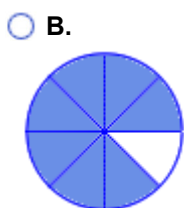
○ **A.**   ○ **B.**   ○ **C.**   ○ **D.**

Answer:

A.
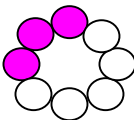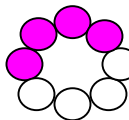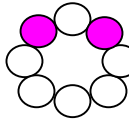
56.

Each of the objects shown to the right is divided into equal sections and part of each object is shaded. The shaded part is a fraction of the whole object.

Which object represents the fraction $\frac{5}{8}$?

Choose the correct answer below.

○ **A.**

○ **B.**

○ **C.**

○ **D.**

○ **E.**
    None of the above.

Answer:

C.
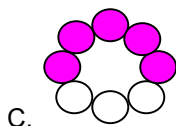
57.

Each of the figures shown to the right is divided into equal sections, and part of each figure is shaded. The shaded part is a fraction of the whole figure.

Which figure represents the fraction $\frac{5}{5}$?

Choose the correct answer below.

○ **A.**

○ **B.**

○ **C.**

○ **D.**

○ **E.**   None of the above.

Answer:

B.

58. In an American Sign Language (A.S.L) class of 22 students, 17 are hearing impaired. What fraction of the students are hearing impaired?

The fraction of the students that are hearing impaired is [   ].

Answer: $\frac{17}{22}$

59. Of 94 cars making up a freight train, 17 are boxcars.

A. How many of the cars are *not* boxcars?
B. What fraction of the cars are *not* boxcars?

A. The number of cars that are *not* boxcars is ⬚.

B. The fraction of the cars that are *not* boxcars is ⬚.

Answers 77

$$\frac{77}{94}$$

60. The Atlantic hurricane season of this year rewrote the record books. There were 27 tropical storms, 14 of which turned into hurricanes. What fraction of this season's Atlantic tropical storms escalated to hurricanes?

The fraction of tropical storms which escalated to hurricanes is ⬚.

Answer: $\frac{14}{27}$

61. There are 31 days in the month of December. What fraction of the month does 17 days represent?

17 days represents ⬚ of the month of December.

Answer: $\frac{17}{31}$

62. Represent the shaded part of the group of circles with
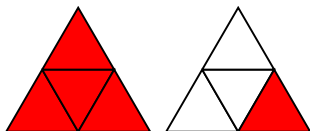**A.** an improper fraction and
B. a mixed number.
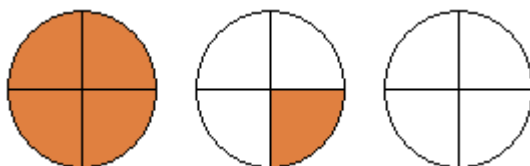
A. The improper fraction which represents the shaded area of the figure group is ⬚.
B. The mixed number which represents the shaded area of the figure group is ⬚.

Answers $\frac{5}{4}$

$1\frac{1}{4}$

63. Represent the shaded part of the group of triangles with
    A. an improper fraction and
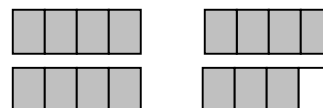   **B.** a mixed number.

A. The improper fraction that represents the shaded area of the figure group is [   ].

B. The mixed number that represents the shaded area of the figure group is [   ].

Answers $\dfrac{5}{4}$

$1\dfrac{1}{4}$

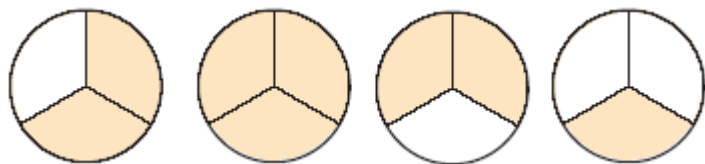64. Write the shaded area in the figure as **a)** an improper fraction and **b)** a mixed number.

a) The shaded area as an improper fraction is [   ].

b) The shaded area as a mixed number is [   ].

Answers $\dfrac{15}{4}$

$3\dfrac{3}{4}$

65. Represent the shaded area in the figure group with
    A. an improper fraction and
    B. a mixed number.

A. The improper fraction is [＿＿＿＿＿]. (Type an improper fraction. Do not reduce.)

B. The mixed number is [＿＿＿＿＿]. (Type a mixed number. Do not reduce.)

Answers $\dfrac{8}{3}$

$2\dfrac{2}{3}$

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66. Write the shaded area in the figure group as (a) a mixed number and (b) an improper fraction.

a. Write the shaded area as a mixed number.

[＿＿＿＿＿] (Type a mixed number. Do not simplify.)

b. Write the shaded area as an improper fraction.

[＿＿＿＿＿] (Type an improper fraction. Do not simplify.)

Answers $1\dfrac{1}{4}$

$\dfrac{5}{4}$

67. Represent the shaded part of the group of figures with **(a)** an improper fraction and **(b)** a mixed number.
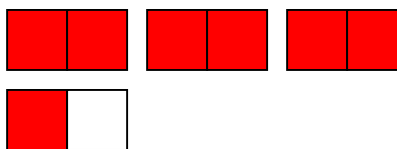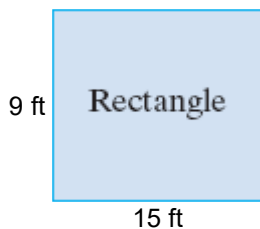
    a. Write the shaded area as an improper fraction.

    ☐

    b. Write the shaded area as a mixed number.

    ☐

    Answers $\dfrac{7}{2}$

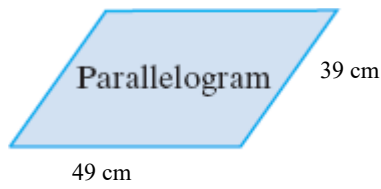 $3\dfrac{1}{2}$

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68. Find the perimeter of the following figure.

9 ft   Rectangle

15 ft

Perimeter = ☐ (1) ☐

(1) ◯ ft
    ◯ sq. ft

Answers 48

       (1) ft

69. Find the perimeter of the following figure.

Parallelogram

39 cm

49 cm
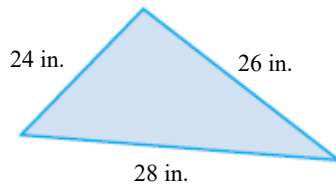
Perimeter = [   ] (1) [   ]

(1) ○ cm
    ○ sq. cm

Answers 176

    (1) cm

70. Find the perimeter of the following figure.

24 in.   26 in.

28 in.
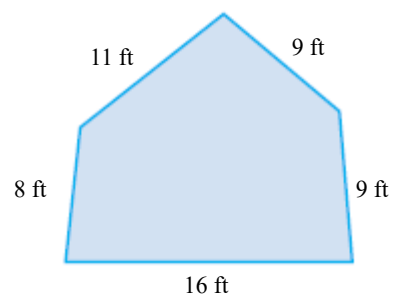
The perimeter is [   ] (1) [   ]

(1) ○ sq. in.
    ○ in.

Answers 78

    (1) in.

71. Find the perimeter of the figure shown to the right.

11 ft   9 ft

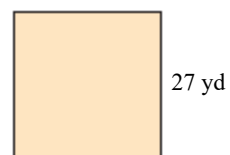8 ft   9 ft

16 ft

Perimeter = ⬚ (1) ⬚

(1) ○ sq. ft.
  ○ ft.

Answers 53

  (1) ft.

72. Find the perimeter of the regular polygon shown to the right.
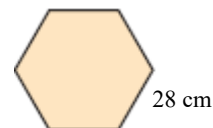

27 yd

The perimeter is ⬚ (1) ⬚

(1) ○ yards.
  ○ square yards.

Answers 108

  (1) yards.

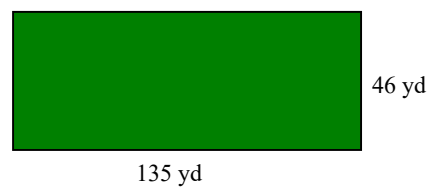73. Find the perimeter of the regular polygon shown to the right.

28 cm

The perimeter is ⬚ (1) ⬚

(1) ○ centimeters.
  ○ square centimeters.

Answers 168

  (1) centimeters.

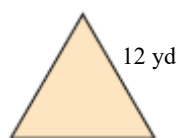74. If a playing field is 46 yards wide and 135 yards long, what is the perimeter?

46 yd

135 yd

Perimeter = [_____] (1) [_____]

(1) ○ sq. yd
    ○ yd

Answers 362

    (1) yd

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75. Find the distance around the equilateral triangle shown to the right.

12 yd

The distance around the figure is [_____] (1) [_____]

(1) ○ yd.
    ○ sq yd.

Answers 36

    (1) yd.

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76. Find the volume of the solid.
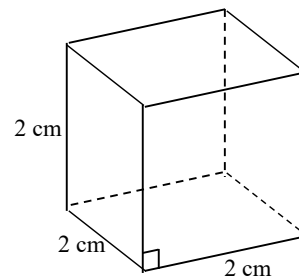
2 in.

3 in.

7 in.
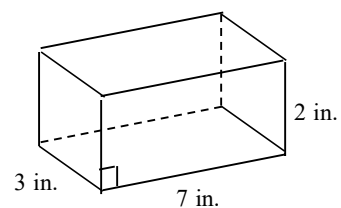
The volume of the solid is [_____] (1) [_____]
(Simplify your answer.)

(1) ○ inches.
    ○ cubic inches.
    ○ square inches.

Answers 42

    (1) cubic inches.

77. Find the volume of the solid.

2 cm

2 cm

2 cm

The volume of the solid is [＿＿＿] (1) [＿＿＿]
(Simplify your answer.)

(1) ○ cubic centimeters.
○ square centimeters.
○ centimeteres.

Answers 8

(1) cubic centimeters.