

Complete the tables. Pay close attention to the unit of measure.

mL	L	g	kg	cm	m	m	km	c	pt	pt	qt
1,000	1	1,000	1	100	1	1,000	1	2	1	2	1
	6		6		6		6		6		6
	9		9		9		9		9		9
	10		10		10		10		10		10

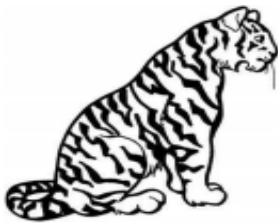
sec	min	min	hr	in	ft	ft	yd	oz	lb	qt	gal
60	1	60	1	12	1	3	1	16	1	4	1
	6		6		6		6		6		6
	9		9		9		9		9		9
	10		10		10		10		10		10

1. A kilometer is _____ times as long as a meter.
2. A foot is _____ times as long as an inch.
3. Harry's desk weighs 12 kilograms. What is the weight of Harry's desk in grams?
4. Tameka is 5 feet 3 inches. What is Tameka's height in inches?
5. Jill serves 8 pints of ice cream to her guests. If she gives each guest 1 cup of ice cream, how many guests can have ice cream?
6. Kaleb hiked 1,413 **meters** in November. In December, he hiked 2 **kilometers** more than he hiked in November. How many **meters** did Kaleb hike in December?
7. Circle the things that should be weighed in grams. Underline the things that should be weighed in kilograms.
 cow baseball horse child nail file cup

8. Nicole's suitcase has a mass of 6 kilograms. Her other suitcase has a mass of 4 kilograms. What is the total mass of the two suitcases in grams?

9. Luke bought three 2-liter bottles of Coke. How many milliliters of Coke did Luke buy?

10.-11. Circle the best measurement for each picture.



20 pounds
600 pounds
1 ton

10.

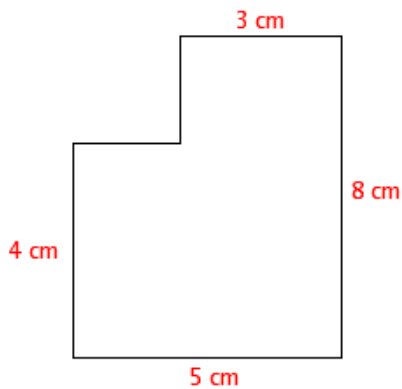


Soda in a can

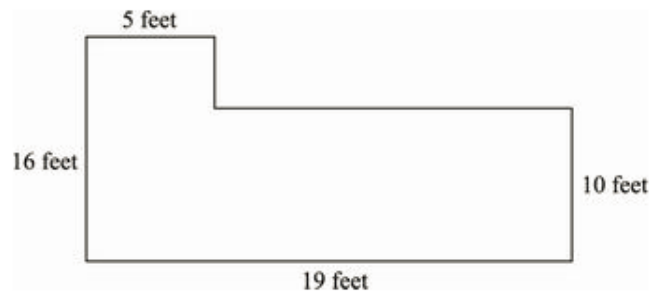
- A. 4 Pints
- B. 4 Cups
- C. 1 Gallon
- D. 1.5 Cups

11.

12. – 13. Find area of the rectilinear figure.

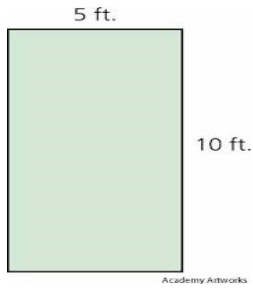


12.



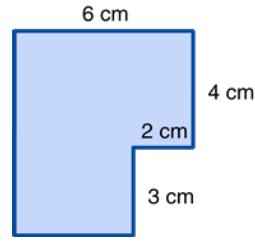
13.

14-15. Find the perimeter and area of the rectangle or combined rectangles.



14.

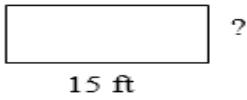
P = _____ A = _____



15.

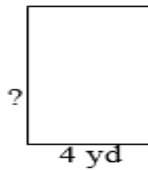
A = _____

16. Find the unknown measure of the rectangles.



perimeter = 50 feet

width = _____



area = 32 sq yards

width = _____



area = 24 sq cm

length = _____

17. Would you use area (A) or perimeter (P)?

- A. to measure the amount of carpet you need to cover bedroom
- B. to measure the amount of wood needed to fence the backyard
- C. to measure the amount of trim needed for the baseboard
- D. to measure the amount of concrete needed for the driveway

18. Amy starting exercising at 3:45. She exercised for 1 hour and 10 minutes. What time did she finish?

19. Olivia went sailing on Sunday afternoon. She finished at 7:30. If she sailed for 2 hours and 45 minutes, what time did she start sailing?

Complete the tables. Pay close attention to the unit of measure.

mL	L	g	kg	cm	m	m	km	c	pt	pt	qt
1,000	1	1,000	1	100	1	1,000	1	2	1	2	1
6,000	6	6,000	6	600	6	6,000	6	12	6	12	6
9,000	9	9,000	9	900	9	9,000	9	18	9	18	9
10,000	10	10,000	10	1,000	10	10,000	10	20	10	20	10

sec	min	min	hr	in	ft	ft	yd	oz	lb	qt	gal
60	1	60	1	12	1	3	1	16	1	4	1
360	6	360	6	72	6	18	6	96	6	24	6
540	9	540	9	108	9	27	9	144	9	36	9
600	10	600	10	120	10	30	10	160	10	40	10

- A kilometer is **1,000** times as long as a meter.
- A foot is **12** times as long as an inch.
- Harry's desk weighs 12 kilograms. What is the weight of Harry's desk in grams? **$12 \times 1,000 = 12,000$ grams**
- Tameka is 5 feet 3 inches. What is Tameka's height in inches? **$5 \times 12 = 60 + 3 = 63$ inches**
- Jill serves 8 pints of ice cream to her guests. If she gives each guest 1 cup of ice cream, how many guests can have ice cream? **$8 \text{ pints} \times 2 \text{ cups in each pint} = 16$ guests**
- Kaleb hiked 1,413 **meters** in November. In December, he hiked 2 **kilometers** more than he hiked in November. How many **meters** did Kaleb hike in December? **$2 \text{ km} = 2,000 \text{ m}$ $1,413 + 2,000 = 3,413$ meters**
- Circle the things that should be weighed in grams. Underline the things that should be weighed in kilograms.

cow

baseball

horsechild

nail file

cup

- Nicole's suitcase has a mass of 6 kilograms. Her other suitcase has a mass of 4 kilograms. What is the total mass of the two suitcases in grams? **$6 + 4 = 10 \times 1,000 = 10,000$ grams**

- Luke bought three 2-liter bottles of Coke. How many milliliters of Coke did Luke buy?

$$3 \times 2 = 6 \text{ L} \times 1,000 \text{ mL} = 6,000 \text{ mL}$$

- Circle the best measurement for each picture.



20 pounds
600 pounds
1 ton



Soda in a can
A. 4 Pints
B. 4 Cups
C. 1 Gallon
D. 1.5 Cups

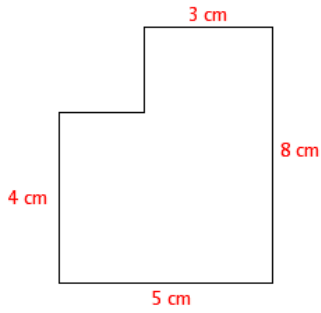
10.

600 pounds

11.

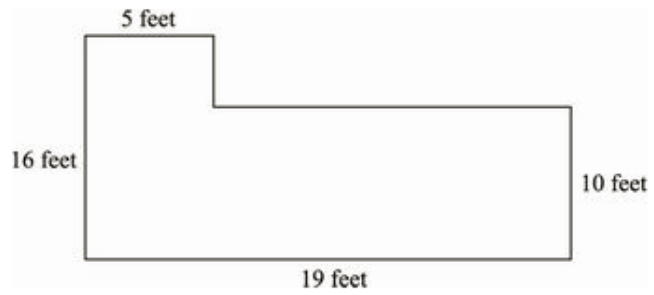
D. 1.5 Cups

12-13. Find area of the rectilinear figure.



12.

32 square cm

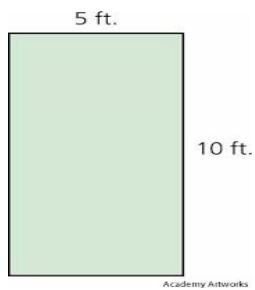


13.

220 square feet

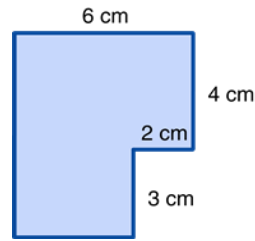
14-15. Find the perimeter and area of the rectangle or combined rectangles.

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14.

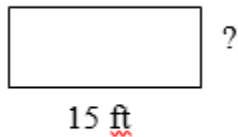
$P = 30 \text{ ft.}$ $A = 50 \text{ sq. ft.}$



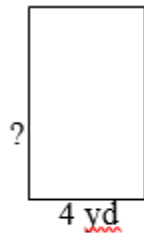
15.

$A = 36 \text{ sq. cm.}$

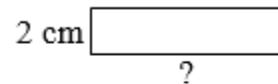
16. Find the unknown measure of the rectangles.



perimeter = 50 feet
width = 10 feet



area = 32 sq yards
length = 8 yd



area = 24 sq cm
length = 12 cm

17. Would you use area (A) or perimeter (P)?

A. to measure the amount of carpet you need to cover bedroom **AREA**

B. to measure the amount of wood needed to fence the backyard **PERIMETER**

C. to measure the amount of trim needed for the baseboard **PERIMETER**

D. to measure the amount of concrete needed for the driveway **AREA**

18. Amy starting exercising at 3:45. She exercised for 1 hour and 10 minutes. What time did she finish? 4:55

19. Olivia went sailing on Sunday afternoon. She finished at 7:30. If she sailed for 2 hours and 45 minutes, what time did she start sailing? 4:45