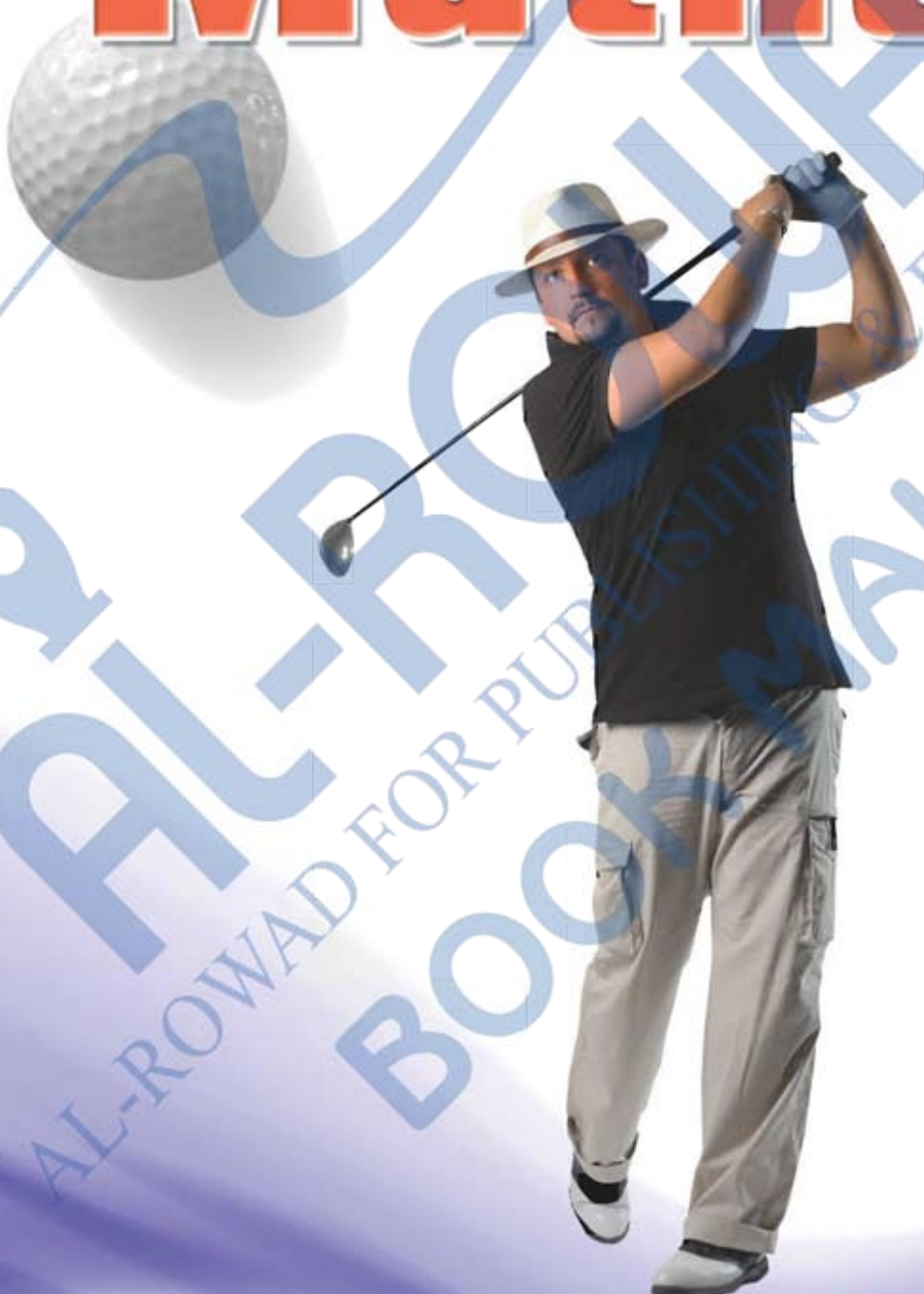
PERFECT

Maths 2



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Customary Measurement

Convert the following

	a	b	c
1.	14 yd. = _____ ft.	$4\frac{1}{2}$ mi. = _____ yd.	$2\frac{1}{2}$ mi. = _____ ft.
2.	2.5 ft. = _____ in.	81 ft. = _____ yd.	5940 ft. = _____ mi.
3.	16 yd. 2 ft. = _____ Ft.	7ft. 3 in. = _____ in.	1 mi. , 320 ft. = ____ ft.
4.	8052 yd. = _____ mi.	69 in. = ___ ft. ___ in.	42 yd. = _____ in.
5.	22c. = _____ qt.	6.5 pt. = _____ c.	82 c. = _____ gal.
6.	9 qt. = _____ gal.	$13\frac{1}{4}$ gal. = _____ qt.	27 pt. = ___ qt. ___ gal.
7.	43 pt. = _____ c.	6 qt. = _____ pt.	$2\frac{3}{4}$ gal. = _____ pt.
8.	19 c. = _____ pt. _____ c.	13qt . = ___ gal. ___ qt	5 gal. 2 qt. = ____ qt.
9.	24 oz. = _____ lb.	2400 lb. = _____ T.	5.5 lb. = _____ oz.
10.	6.25 T. = _____ lb.	13 lb. = _____ oz.	1500 lb. = _____ T.
11.	6200 lb. = _____ T.	12 oz. = _____ lb.	2.6 T. = _____ lb.
12.	18 oz. = ___ lb. ___ oz.	40 oz. = ___ lb. ___ oz.	0.25 lb. = _____ oz.
13.	$5\frac{3}{7}$ hr. = _____ min.	380 sec. = _____ min.	0.25 hr. = _____ sec.
14.	108 hr. = _____ days.	72 min. = _____ hr.	204 hr. = ___ days ___ hr
15.	560 sec. = ____ lb. ____ Oz.	3.25 days = _____ hr.	23 min. = _____ sec.
16.	2.5 days. = _____ min.	18 hr. = _____ days.	15 hr. = _____ min.

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Customary Measurement

Solve each problem.

17. Betsy kept track of her homework minutes by subject for one month. Her results were: English: 443 minutes; history: 474 minutes; math: 382 minutes; science: 527 minutes; spanish: 438 minutes. How long did she study each subject, in hours and minutes ? How many total days, hours, and minutes did she study?

English: _____ hours _____ minutes .
History: _____ hours _____ minutes .
Math : _____ hours _____ minutes .
Science: _____ hours _____ minutes .
Spanish: _____ hours _____ minutes .
Total: ____ day ____ hours ____ minutes:

17. _____

18. The Linders invited 38 people to a cookout. They need 6 ounces of meat per person . How many total ounces do they need ? How many pound is that?

The Linders need ____ ounces. That is ____ pounds

18. _____

19. The Linders in **problem 18** also want to have 3 cups of lemonade for each person. How many quarts do they need ? How many gallons is that?

The Linders need ____ quarts. That is ____ gallons.

19. _____

20. The Linders in **problem 18** want to use 10.5 feet of their patio for the food serving area. Express that in yards, feet, and inches.

The serving area will be ____ yards ____ foot ____ inches

20. _____

21. The walking path at the park is 1,254 feet. If Paul walks the path 8 times, how many miles will he walk?

Paul will walk _____ miles.

21. _____

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Units of length (inches, feet, and mile)

1 foot (ft.) = 12 inches (in.)
1 yard (yd.) = 3 ft. = 36 in.
1 mile (mi.) = 1760 yd. = 5280 ft
3.2 ft. = _____ in.
3.2 ft. = (3.2 x 12) = 38.4 in

Use the table and multiply or divide to convert units of measure

4224 yd. = _____ mi.
4224 yd ÷ 1760 = 2.4 mi.

Convert the following

	a	b	c
1.	17 yd. _____ ft.	8 mi. _____ ft.	5280 yd. = _____ mi.
2.	280.8 in. = _____ yd.	8.5 mi. = _____ yd.	708 in. = _____ ft.
3.	3 yd. 1 ft. = _____ in.	111 ft. = _____ yd.	12 mi. = _____ yd.
4.	4 mi. 182 yd. = _____ yd.	13 ft. 5 in. = _____ in.	2.4 mi. = _____ ft.
5.	328 in. = ____ yd. ____ in.	41.6 mi. = _____ yd.	22000 yd. = _____ mi.
6.	64.4 ft. = _____ in.	37.8 mi. = _____ ft.	2 mi. 311 ft = _____ ft.

Solve each problem.

7. The race track at the high school is 0.25 miles long. How many yards is it?

   The track is _____ yards long.

   7. _____

8. Lisa swam in the 600-foot race at the swim meet. How many yards is this race ?

   The race is _____ yards

   8. _____

9. Rich measured 1.6 miles from his house to the library. How many yards is this ? How many feet?

   The distance is _____ yards or _____ feet

   9.

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Liquid Volume
(Cups, pints, quarts, gallons)

1 pint (pt.) = 2 cups (c.)
1 quart (qt.)= 2 pt. = 4 c.
1 gallon (gal.)= 4 qt. = 8 pt = 16 c.
11 pt. = _____ c.
11 pT. = (11 x 2) c.
11 pt. = 22 c.

Use the table and multiply or divide to convert units of measure.

12 pt. = _____ gal.
12 pt. = (12 ÷ 8) gal.
12 pt. = 1.5 gal.

Convert the following.

	a	b	c
1.	13 c. = _____ pt.	2.5 gal.= _____ qt.	7 qt. _____ pt.
2.	72 c.=_____ gal.	4 qt. 1 pt.= _____ pt.	4.5 gal.= _____ qt.
3.	3 gal.=_____ pt	8.5 qt.=_____ c.	11 qt.=___gal. ___qt.
4.	32 c. = _____qt.	5.25 gal. =_____ c.	27 c.=___pt.___ c.
5.	9.5 pt. = _____qt.	9.5 qt.= _____pt.	33 pt.=___gal.___ pt.

Solve each problem

6. A serving size is 1 cup of orange juice. How many servings are in a $\frac{1}{2}$ gallon bottle ?

   There are _____ serving in the bottle.

6. _____

7. If a teakettle holds 1.75 quarts of water, How many cups of tea can be made ?

   _____ Cups of tea can be made.

7. _____

8. Rey's bathtub holds 42 gallons of water. How many quarts is this ? How many pints ?

   The bathtub holds _____quarts. It holds_____ pints.

8. _____

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Problem Solving

Solve each problem.

1. The instructions on a package of garden fertilizer say to mix a spoonful of the powder with 9 pints of water. How many cups would this make ? How many quarts ? How many gallons ?

   This would make _____ cups.
   This would make _____ quarts.
   This would make _____ gallons.

2. In an 880 relay race, 4 runners on a team, each run 880 yards. How many total yards is this race ? How many feet is this ? How many miles is this?

   This is _____ yards.
   This is _____ feet.
   This is _____ miles.

3. Bill is 58 inches tall. Nikki is 4.75 feet tall. Elias is 1.5 yards tall. How tall are Bill, Nikki, and Elias in feet and inches ? Who is the tallest ?

   Bill is _____ feet _____ inches.
   Nikki is _____ feet _____ inches.
   Elias is _____ feet _____ inches.
   Is the tallest.

4. June needs to buy gas for her lawn mower. Her gas can holds 5.75 quarts. How many gallons is that?

   The gas can holds _____ gallons.

5. A water pitcher holds 0.75 gallons of water. How many pints is this ? How many cups?

   The pitcher holds _____ pints.
   The pitcher holds _____ cups.

1.

2.

3.

4.

5.

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Weight (ounce, pounds, tons)

1 pound (lb.) = 16 ounces (oz.)
1 ton (T) 2000 lb. = 32000 oz.

3.6 lb. = _____ oz.
3.6 lb. = (3.6 x 16) oz.
3.6 lb. = 57.6 oz.

Multiply or divide to convert units of measure

11000 lb. = _____ T.
11000 lb. = (11000 ÷ 2000) lb.
11000 lb. = 5.5 T.

Convert the following.

	a	b	c
1.	3.5 T. = _____ lb.	72 oz. = _____ lb.	$\frac{3}{4}$ lb. _____ oz.
2.	9000 lb. = _____ T.	64000 oz. = _____ T.	430 oz. = _____ lb.
3.	10689 lb. = ___ T. ___ lb.	$3\frac{1}{4}$ lb. = _____ oz.	3800 lb. = ___ T.
4.	9 lb. 14 oz. = _____ oz.	24700 lb. = _____ T.	6.8 T. = _____ T.
5.	9.5 pt. = _____ qt.	6.5 lb. = _____ oz.	13 T. = _____ Lb.

Solve each problem.

6. A dump truck can carry 3,200 pounds of dirt. How many tons is that?

   The truck can carry_____tons

   6.

7. At his last veterinary visit, Jerry's cat weighed 12.8 pounds. How many ounces is that?

   Jerry's cat weighed_____ounces.

   7.

8. For the class picnic, the class needs one 4-ounce beef patty for each student. There are 27 students in the class. How many total ounce are needed? How many pound is that?

   A total of_____ounce or_____pound are needed..

   8.

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Time

Solve each problem.

1 minute (min.) =60 seconds (sec.)
1 hour (hr.) =60 min. = 1440 min.

1 day = 24 hr. = 1440 min.

75 min lb. = (3.6 x 16) oz.

3.6 lb. = 57.6 oz.

Multiply or divide to convert units of measure.

16 min. = _____ sec.

16 min. = (16 x 60) sec.

16 min. = 960 sec.

Convert the following.

	a	b	c
1.	12 min. = _____ hr.	900 sec. = _____ min.	2.5 hr. = _____ min.
2.	8 days = _____ hr.	7 min. = _____ sec.	84 hr. = _____ days
3.	320 min. = ____ hr. ____Min.	$5\frac{1}{4}$ hr. = _____ min.	369 sec. = _____ min.
4.	150 hr. = ____ days ____ hr.	1800 sec. = _____ hr.	6.5 hr. = _____ min.
5.	42 days = _____ hr.	3 hr. 15 min. = _____ hr.	3.75 min. = _____ sec.

Solve each problem.

6. Jenna swam two laps in 96 seconds. How many minutes did it take her ?

It took Jenna _____ minutes to swim two laps.

6. _____

7. According to the recipe, an applle spice cake has to bake for 90 minutes. How many hours is that?

The cake has to bake _____ hours.

7. _____

8. Mickey is counting the hours until his trip to the ocean. It is now 228 hours away. How many days and hours are there until the trip

The trip is in _____ days and _____ hours.

8. _____

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