STAPLE

Name _____

Gillespie

Course 1: Semester Exam Review

Ch1 - 5

Directions: When working each of the following questions, be sure to show all work.

1) Which set below shows the integers in order form least to greatest?

a) $-7, 10, -10, 0$

b) $0, 10, -10, -7$

c) $-10, -7, 0, 10$

d) $-7, -10, 0, 10$

2) Which decimal is equivalent to $\frac{3}{5}$

a) $.37$

b) $.75$

c) $.6$

d) $.06$

3) Multiply $14.03 * 1.5$

a) 20.05

b) 21.045

c) 21

d) 22.5

STAPL

4) Mr. Gillespie bought 1.5 pounds of bananas at $0.50 a pound and 3.5 pounds of pineapple at $1.19 a pound. How much did he pay in total for the bananas and pineapple?

a) $\$1.70$

b) $\$2.19$

c) $\$4.92$

d) $\$15.75$

5) Divide 12.16 by 8

a) 1.52

b) 15.2

c) 152

d) $.152$

6) What is $\frac{7}{10}$ of $\frac{20}{49}$ in simplest form?

a) $\frac{140}{490}$

b) $\frac{20}{70}$

c) $\frac{2}{7}$

d) $\frac{1}{7}$

STAPL

7) There are 72 sixth graders going to a local meusem. The total cost of all student tickets is $226.80. What is the cost of one student ticket?

a) $\$16{,}329$

b) $\$154.80$

c) $\$31.50$

d) $\$3.15$

8) Divide $3\frac{1}{3}$ by $1\frac{2}{5}$

a) $2\frac{8}{21}$

b) $2\frac{2}{5}$

c) $4\frac{2}{3}$

d) $4\frac{1}{3}$

9) $-5 + -17$

a) 12

b) -12

c) 22

d) -22

10) $-12 + 10$

a) 2

b) -2

c) 22

d) -22

STAPL

11) $-7 - 3$

a) -4

b) 4

c) -10

d) 10

12) $5 - 19$

a) -14

b) -24

c) -4

d) -16

13) $-4 * -7$

a) -28

b) -32

c) 32

d) 28

14) $2 * (-10)$

a) 12

b) -8

c) -20

d) 20

15) $(-48) \div (-8)$

a) 7

b) 6

c) -7

d) -6

16) The temperature at 5am was $4°\text{F}$. The temperature dropped 2 degrees every hour for five hours. What was the temperature at 10am?

a) $-6°\text{F}$

b) $-8°\text{F}$

c) $-2°\text{F}$

d) $-4°\text{F}$

17) The temperature in Austin is $40°\text{F}$. Four hours later it was it was $20°\text{F}$. What was the average change in temperature per hour as an integer?

a) $-4\ °\text{F}\ per\ hour$

b) $-5\ °\text{F}\ per\ hour$

c) $-20\ °\text{F}\ per\ hour$

d) $5\ °\text{F}\ per\ hour$

STAPL

18) Tommy can ride his bicycle 6 miles in 15 minutes. How many miles can he ride in 100 minutes?

a) $30\ miles$

b) $38\ miles$

c) $40\ miles$

d) $45\ miles$

Number of miles	6			
Time in minutes	15			100

19) Bryan runs two miles every 30 minutes. At this rate how many minutes did Bryan run if he ran 10 miles?

a) $150\ minutes$

b) $130\ minutes$

c) $3\ minutes$

d) $45\ minutes$

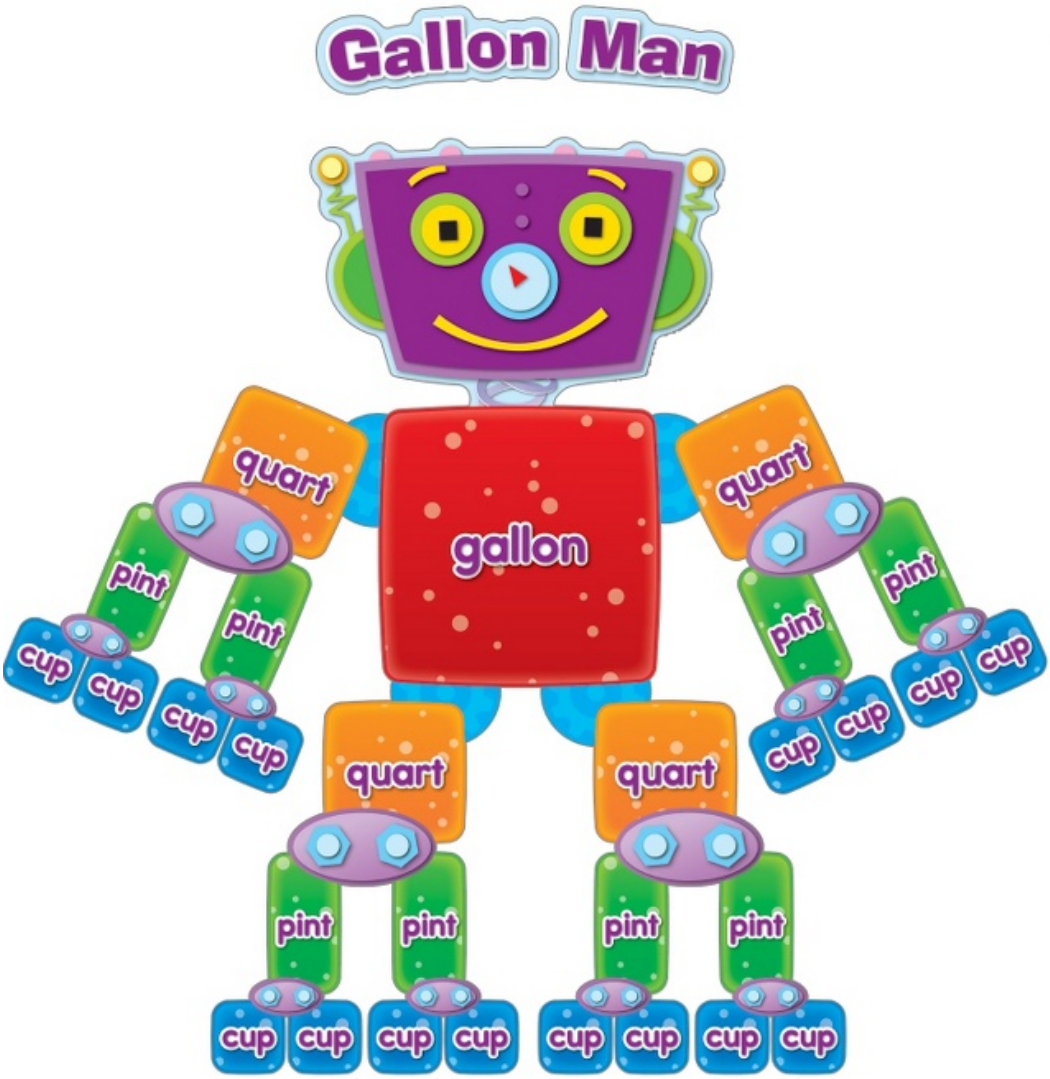
20) Hannah drinks 2 cups of juice a day. How many pints does she drink in 10 days?

a) $10\ pints$

b) $20\ pints$

c) $10\ cups$

d) $20\ cups$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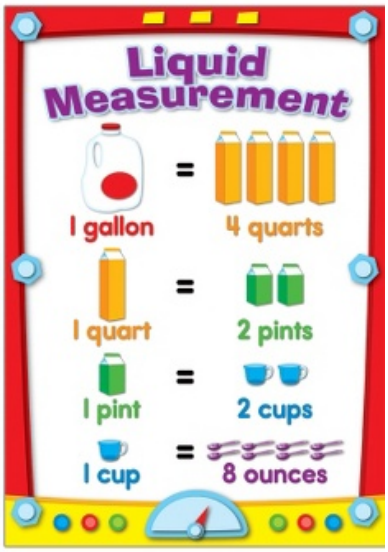
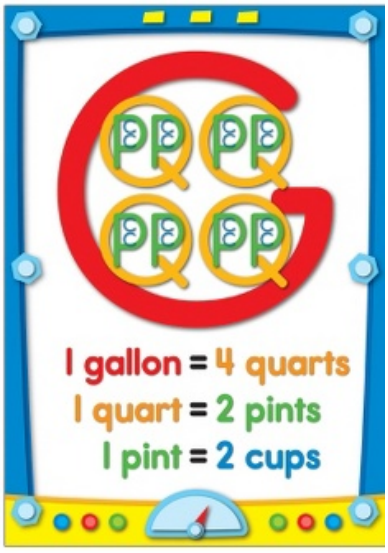

Liquid Measurement
=
1 gallon
4 quarts
=
1 quart
2 pints
=
1 pint
2 cups
=
1 cup
8 ounces


1 gallon = 4 quarts
1 quart = 2 pints
1 pint = 2 cups

STAAR GRADE 6 MATHEMATICS REFERENCE MATERIALS

LENGTH

Customary	Metric
1 mile (mi) = 1,760 yards (yd)	1 kilometer (km) = 1,000 meters (m)
1 yard (yd) = 3 feet (ft)	1 meter (m) = 100 centimeters (cm)
1 foot (ft) = 12 inches (in.)	1 centimeter (cm) = 10 millimeters (mm)

VOLUME AND CAPACITY

Customary	Metric
1 gallon (gal) = 4 quarts (qt)	1 liter (L) = 1,000 milliliters (mL)
1 quart (qt) = 2 pints (pt)	
1 pint (pt) = 2 cups (c)	
1 cup (c) = 8 fluid ounces (fl oz)	

WEIGHT AND MASS

Customary	Metric
1 ton (T) = 2,000 pounds (lb)	1 kilogram (kg) = 1,000 grams (g)
1 pound (lb) = 16 ounces (oz)	1 gram (g) = 1,000 milligrams (mg)

STAAR GRADE 6 MATHEMATICS REFERENCE MATERIALS

STAAR® State of Texas Assessments of Academic Readiness

AREA

Triangle	$A = \frac{1}{2}bh$
Rectangle or parallelogram	$A = bh$
Trapezoid	$A = \frac{1}{2}(b_1 + b_2)h$

VOLUME

Rectangular prism	$V = Bh$