Name $\qquad$ Date $\qquad$

1. Complete the chart below with the measurement equivalents.

| Feet | Inches |
| :---: | :---: |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 10 |  |
| 12 |  |
| 40 |  |
| 45 |  |
| 120 |  |


| Centimeters | Meters |
| :---: | :---: |
|  | 1 |
|  | 2 |
|  | 3 |
|  | 4 |
|  | 10 |
|  | 42 |
|  | 45 |
|  | 120 |

2. Explain how to convert feet to inches. Draw a number line or tape diagram to support your explanation.
3. Explain how to convert meters to centimeters. Draw a number line or tape diagram to support your explanation.
4. Convert. Use your Reference Sheet to remind you of the conversion factors. Show your work.
a. $\quad 27 \mathrm{ft}=$ $\qquad$ in
d. $7 \mathrm{~kg}=$ $\qquad$ g
g. $3 \mathrm{~km} 85 \mathrm{~m}=$ $\qquad$ m
b. $\qquad$ $o z=54 \mathrm{lb}$
e. $4 \mathrm{mi}=$ $\qquad$ $y d=$ $\qquad$ ft h. 2 qt = $\qquad$ $\mathrm{pt}=$ $\qquad$ floz
c. $\quad \ldots \quad$ pt $=21 \mathrm{qt}$
f. $L=9 \mathrm{~kL}$
i. $\qquad$ $o z=24 \mathrm{lb} 15 \mathrm{oz}$
5. Emily's pet snake is 5 feet long. Kristen's snake is 50 inches long. Kristen says her snake is much longer because 50 is so much bigger than 5 . Is Kristen right? Why or why not?
6. Ben helps his dad make chicken soup. Their recipe makes 15 cups of soup. If they each eat 2 cups and freeze the rest, will the leftovers fit in a 64-ounce container?

Name
Date $\qquad$

1. Convert.
a. $37 \mathrm{~L}=$ $\qquad$ mL
b. $\mathrm{qt}=61 \mathrm{gal}$
c. $45 \mathrm{~kg}=$ $\qquad$ g

Name $\qquad$ Date $\qquad$

1. Complete the chart below with the measurement equivalents.

| Liters | Milliliters |
| :---: | :---: |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 10 |  |
| 15 |  |
| 30 |  |
| 100 |  |


| Quarts | Gallons |
| :---: | :---: |
|  | 1 |
|  | 2 |
|  | 3 |
|  | 4 |
|  | 10 |
|  | 30 |
|  | 100 |

2. Convert.
a. $\quad 18 \mathrm{yd}=$ $\qquad$ ft
d. $72 \mathrm{kl}=$ $\qquad$ L
g. $5 \mathrm{~km} 14 \mathrm{~m}=$ $\qquad$ m
b. $\qquad$ $o z=23 \mathrm{lb}$
e. $2 \mathrm{mi}=$ $\qquad$ $\mathrm{yd}=$ $\qquad$ ft
h. $31 \mathrm{gal}=$ $\qquad$ $\mathrm{qt}=$ $\qquad$ pt
c. $\qquad$ $\mathrm{cm}=64 \mathrm{~m}$
f. $\quad \mathrm{g}=35 \mathrm{~kg}$
i. $\quad \mathrm{fl} \mathrm{oz}=56 \mathrm{c}$
3. Jesse needs 13 gallons of paint to finish painting the exterior of his barn. If he uses 10 quarts of the paint for the doors, how many quarts will be left for the siding on the barn?
4. Ms. Lane's laptop stays on for 6 hours without being plugged in, and Mr. Trevor's laptop stays powered for 400 minutes. Whose laptop lasts longer?
5. The food pantry distributes $10-\mathrm{oz}$ bags of rice. If three $5-\mathrm{lb}$ bags are donated to the pantry, how many $10-$ ounce bags can be made?

## Grade 5 Mathematics Reference Sheet

## FORMULAS



Right Rectangular Prism
Volurne $=l w h$
Volume - Bh

## CONVERSIONS

1 centimeter $=10$ millimeters
1 meter = 100 centimeters $=1,000$ millimeters
1 kilometer $=1,000$ meters
1 gram = 1,000 milligrams
1 kilogram $=1,000$ grams
1 pound = 16 ounces
1 ton $=2,000$ pounds

1 cup $=8$ fluid ounces
1 pint $=2$ cups
1 quart $=2$ pints
1 gallon $=4$ quarts
1 liter $=1,000$ milliliters
1 kiloliter $=1,000$ liters
1 mile $=5,280$ feet
1 mile $=1,760$ yards

