

WORKSHEET Grades 4-5 · ages 9-11

Metric conversions

Use the staircase: count the steps, then slide the decimal point.



Name _____ Date _____ Class _____

Score _____ / 29

HOW TO CONVERT

Find both units on the staircase and count the steps. **Down** to a smaller unit: the number gets bigger, so the decimal point moves **right**. **Up** to a bigger unit: it moves **left**.

Example: 3 km to m is 3 steps down, so 3 km = 3000 m.

THE STAIRCASE



ROUNDING RULE Every answer is a whole number or an exact decimal. No rounding needed.



Metric staircase

Move down or up the staircase. Write the new number.

1 31 kg = _____ g

3 42 L = _____ mL

5 38 km = _____ m

7 91 cm = _____ mm

2 8,000 mL = _____ L

4 85,000 mm = _____ m

6 16,000 g = _____ kg

8 190 mm = _____ cm



Customary units

Use what you know: 12 in = 1 ft, 3 ft = 1 yd, 16 oz = 1 lb, 4 qt = 1 gal.

9 2 yd = _____ in

11 4 lb = _____ oz

13 3 pt = _____ cups

15 3 gal = _____ pt

10 5 yd = _____ ft

12 2 cups = _____ fl oz

14 3 mi = _____ ft

16 2 tbsp = _____ tsp

C Greater than, less than, or equal?

Convert one side, then write <, > or =.

17 39 L 39,010 mL

19 9 g 9,010 mg

21 5.1 kg 5,150 g

18 2.5 km 2,450 m

20 25 m 2,500 cm

22 3.2 m 3,205 mm

D Count the steps

Fill in how many places and which way.

23 dam to cm: _____ places to the _____ (left or right)

24 mm to dm: _____ places to the _____ (left or right)

25 dg to hg: _____ places to the _____ (left or right)

26 kL to daL: _____ places to the _____ (left or right)

E Word problems

Show your work in the box, then write the answer.

27 A jug holds 1.6 L of juice. How many 200 mL glasses can be filled from it?

WORK

Answer _____ glasses

28 Leo walks 7 km before lunch and 600 m after lunch. How many meters is that in all?

WORK

Answer _____ m

29 A table is 2 m long. Mia puts a 80 cm shelf at one end. How long are the two together, in centimeters?

WORK

Answer _____ cm