

Practice 4-2

Converting Units

Convert each measure. Round answers to the nearest tenth where necessary.

1. 56 in. = ? ft

2. 240 days = ? h

3. 4 gal = ? pt

4. 0.75 day = ? h

5. 2.25 t = ? lb

6. 84 ft = ? yd

7. 0.25 day = ? min

8. 18 days = ? h

9. 0.01 t = ? oz

Use the table to convert the following measures. Round answers to the nearest hundredth where necessary.

Customary Units	Metric Units
1 in.	2.54 cm
1 mi	1.61 km
1 ft	0.30 m
1.06 qt	1 L

10. 5 mi \approx _____ km

11. 10 cm \approx _____ in.

12. 12 qt \approx _____ L

13. 9 cm \approx _____ ft

14. 11 yd \approx _____ m

Solve.

15. At one time, trains were not permitted to go faster than 12 mi/h. How many yards per minute is this?

16. A mosquito can fly at 0.6 mi/h. How many inches per second is this?

17. An Arctic tern flew 11,000 miles in 115 days. How many feet per minute did the bird average?

18. A sneeze can travel up to 100 mi/h. How many feet per second is this?

Use compatible numbers to find a reasonable estimate.

19. 118 in. is about ? ft.

20. 3,540 seconds is about ? hours.

Puzzle 4-2

Converting Units

Circle the value or values in column B that are equivalent conversions of the measure in column A. Use the letters of your answers in column B to complete the following statement:

A _____ is a rate equal to 1.

A	B
1 ft	A. 2 yd B. 36 in. C. 12 in.
1 yd	O. 3 ft P. 2 ft N. 36 in.
1 m	V. 1/1,000 km E. 100 cm S. 10 km
1 cup	R. 8 fl oz S. 1/2 pt T. 4 qt
1 gallon	I. 4 qt O. 8 pt L. 16 fl oz
1 in.	N. 1/12 ft E. 12 ft F. 1/36 yd
1 lb	A. 16 oz B. 32 oz C. 1/2,000 ton
2 m	T. 200 cm P. 2,000 cm O. 2/1,000 km
1 L	R. 1,000 mL N. 100 mL E. 10 mL

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