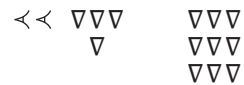



Chapter 7 Exercises

- Express the Hindu-Arabic numeral 175.83 in expanded form.
- Express the expanded form $(4 \cdot 10^3) + (1 \cdot 10^1) + (7 \cdot 10^0)$ as a Hindu-Arabic numeral.
- Write the Babylonian numeral as a Hindu-Arabic numeral.



- Write the Hindu-Arabic numeral 101 as a Babylonia numeral.
- Write the Mayan numeral as a Hindu-Arabic numeral.



- Write the Hindu-Arabic numeral 4639 as a Mayan numeral.
- Write the Egyptian numeral  as a Hindu-Arabic numeral.
- Write the Hindu-Arabic numeral 1,203,401 as an Egyptian numeral.
- Write the Ionic Greek numeral $\omega \mu \zeta$ as a Hindu-Arabic numeral.
- Write the Hindu-Arabic numeral 3704 as an Ionic Greek numeral.
- Write the Roman numeral MXLVII as a Hindu-Arabic numeral.
- Write the Hindu-Arabic numeral 716 as a Roman numeral.
- Write the Chinese numeral 六千零三十九 as a Hindu-Arabic numeral.
- Write the Hindu-Arabic numeral 20,075 as a Chinese numeral.
- Convert 2211_3 to base 10.
- Convert 125 to base 4.
- Convert 101011011_2 to base 16.
- Convert $90D_{16}$ to base 2.
- Add the numbers 330_5 and 124_5 .
- Subtract the number 65_7 from 320_7 .
- Multiply 122_3 and 11_3 .

Convert each measurement to the desired unit of measure. Round to the nearest thousandth, if necessary.

22. 516 in. = _____ ft

23. 13.5 lb = _____ oz

24. 72 fl oz = _____ pt

25. 40 hr = _____ min

26. 35 mg = _____ dag

27. 15.24 hL = _____ cL

28. 2.786 km = _____ dm

29. 5775 ha = _____ m²

30. 27 mL = _____ cm³

31. How many yards are in 52 meters?

32. How many square centimeters are in 100 square inches?

33. How many quarts are in 15 liters?

34. How many grams are in 6.5 ounces?

35. What is 85°F in degrees Celsius?

36. If a rock is thrown at a speed of 82 miles per hour, how fast is the rock moving in kilometers per minute?

37. Propane gas weighs approximately 4.2 lb/gal. How much does it weigh in grams per milliliter?

38. Kamila determined that her emergency generator uses approximately 3 gallons of propane per hour. If her propane tank holds 100 kilograms, how long will it last?