

Solve for x.

16.) $4x = 32$

17.) $7x = 63$

18.) $5x = 35$

19.) Hayes has 5 more than twice as many cookies as his friend Kellen. Write an algebraic expression showing the number of cookies Hayes has if x represents the number of cookies Kellen has.

20.) What is the greatest common factor of 24, 60, and 84?

21.) What is the least common multiple of 16 and 24?

22.) What is the least common denominator of $\frac{1}{8}$ and $\frac{5}{6}$?

23.) Brooklyn has $\frac{2}{3}$ hour left to make Christmas cards for her class party. It takes her $\frac{1}{6}$ of an hour to make each card. How many cards can she make in the remaining time?

24.) Tanner bought $12\frac{1}{2}$ pounds of ground beef for the cookout. He plans on using $\frac{1}{4}$ pound for each hamburger. How many burgers can he make?

25.) One piece of cheese provides $\frac{1}{10}$ of the daily protein requirement, and one cup of milk provides $\frac{1}{5}$ of the daily protein needs. If Oscar ate 2 pieces of cheese and drank 2 cups of milk, how much of the daily protein needs would he meet?

Write the integer that represents each situation.

26.) 45 degrees below zero

27.) a deposit of \$17

28.) 400 feet below sea level

State whether each inequality is true or false.

29.) $8 > 9$

30.) $-5 < -4$

31.) $0 < -\frac{1}{2}$

32.) $|-13| > |-14|$

33.) $|-7| > |-6|$

34.) $|-2| < 0$