

Write equations with variables

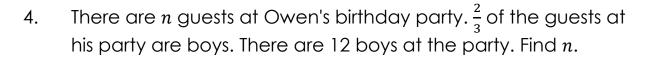
Grade 5 Math Word Problems Worksheet

1. Josh sent out invitations to 16 friends for his birthday party. x friends replied and he is waiting for the other 7 friends to reply. Find x.

2. Ben bought 4 packs of balloons for his child's birthday. Each pack of balloons comes with h balloons. There are 24 balloons in total. Find h.

3. Sophia ordered s pizzas for 24 guests at a party. Each guest will have $\frac{1}{6}$ of a pizza. Find s.





5. Ashley bought 2 boxes of small toys of party favors for her daughter's birthday party. The bigger box contains t toys and the smaller box contains 12 toys. She bought a total of 28 toys. Find t.

6. Liam rented a hall for a party. The party hall charges \$200 for the hall and k for each person attending the party. There are 24 people attending the party, and Liam paid the party hall \$560. Find k.



Answers

1.
$$16 - x = 7$$

 $x = 9$

2.
$$4h = 24$$

 $h = 6$

3.
$$\frac{s}{24} = \frac{1}{6}$$
$$s = \frac{1}{6} \times 24$$
$$s = 4$$

4.
$$\frac{2n}{3} = 12$$

 $2n = 36$
 $n = 18$

5.
$$t + 12 = 28$$

 $t = 16$

6.
$$200 + 24k = 560$$

 $24k = 360$
 $k = 15$