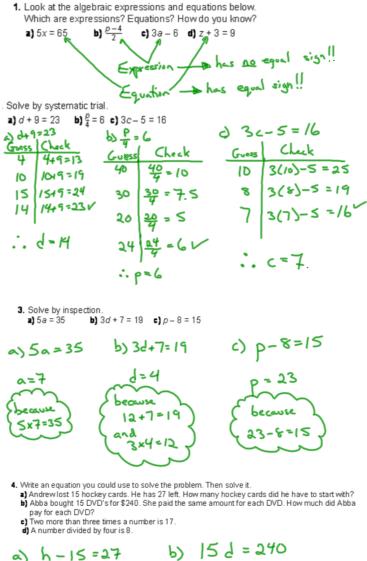
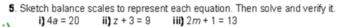
Grade 7

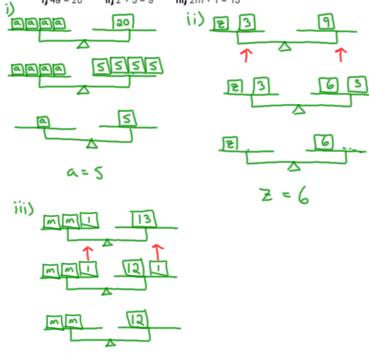
Final Exam Unit 6 Review



a)
$$h - 15 = 27$$

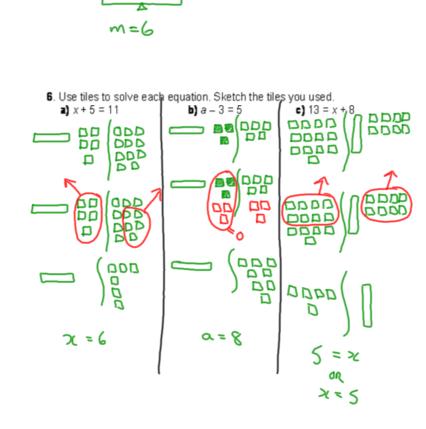
 $h = 42$
 $h = 15$
 $h = 42$
 $h = 15$
 $h = 32$
 $h = 32$

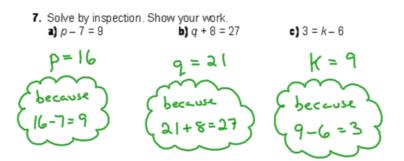




mm

m





8. Solve each by writing an equation.

a) Overnight, the temperature dropped 6°C to -10°C. What was the original temperature?
 b) During the day, the temperature rose 7°C to +2°C.

b) During the day, the temperature rose 7°C to +2°C. What was the original temperature?

a)
$$t - 6 = -10$$
 b) $t + 7 = 2$
 $t = -4^{\circ}C$. $t = -5^{\circ}C$.

9. Solve each equation using algebra.
 a) x - 29 = 13
 b) 8x = 72
 c) 7x = 49

a)
$$x - 29 = 13$$

 $+ 29 + 29$
 $x = 42$
 $x = 42$
 $x = 9$
 $x = 72$
 $x = 9$
 $x = 9$
 y_{erify}
 $x = 72$
 $x = 9$
 y_{erify}
 $8x = 72$
 $8x = 9$
 $8x = 72$
 $8x = 72$

7

2 = 7

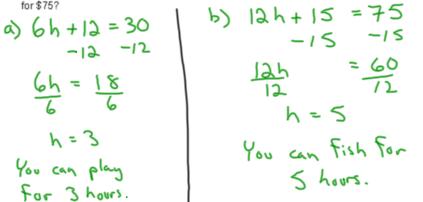
$$\frac{\sqrt{27.15}}{7x} = 4$$

$$7(7)$$

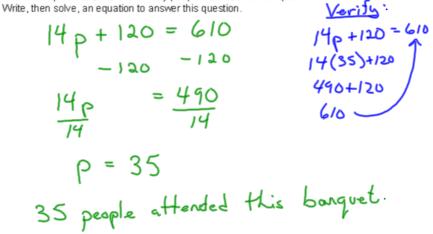
$$49$$

10. Write an equation you can use to solve each problem below and solve it.

- a) At a tennis court, it costs \$12 to rent equipment plus \$6/h to rent a court. How long can you play for \$30?
- b) At a fishing camp, it costs \$15 to rent equipment plus \$12/h to rent a boat. How long can you fish for \$75?

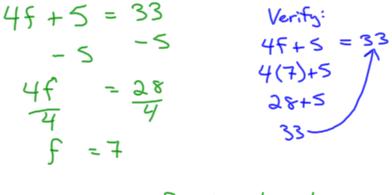


11. A banquet hall charged \$120 for the rental of the hall, plus \$14 for each meal served. The total bill for the banquet was \$610. How many people attended the banquet?



 Marshall baked 33 cookies. He kept five for himself, and shared the rest equally among his friends. Each friend got 4 cookies.

Write, then solve, an equation you could use to find the number of friends who got cookies.



7 of Marshall's Friends got cookies.