**VERSATILES**

**1. Write the constant of proportionality for the following ordered pairs:**

**(3, 2), (6, 4)**

**2. On Santa’s map of the world, 1cm:2miles. What is the distance on the map if the actual distance is 12 miles?**

y

x

**3. Does this table represent a proportional relationship?**

101213

567

**4. Find 150% of 65.**

**5. Santa gave out 50 candy canes to 2 children. The first child got 2 candy canes for every 3 that the other child got. How many candy canes did each child get?**

**6. It is suggested that you have 3 cups of cocoa for every 2 students. Write an equation that shows how much cocoa (c), you need for (s) students.**

**7. In Santa’s workshop, 25% of the elves are out with the flu. Of the remaining elves, 12% have the sniffles. If there are 300 elves total, how many are well?**

**8. Rudolph receives a 3% commission for giving sleigh rides to children. If he raises $1,200 for Santa, how much commission will he get?**

**9. One recipe of spiced cider has 2Tbsp of spices to 5 ½ cups of cider. The other recipe has 5Tbsp of spices to 10 cups of cider. Which recipe has a higher concentration of spices?**

**10. Stockings are on clearance for 40% off. If there is a 5% sales tax, how much will Mrs. Clause pay for a $25 stocking?**

**11. Christmas trees are lined up in equal rows. There are the same number of trees in each row. If there are 500 trees in 20 rows, write an equation to be used to determine y, the total number of trees in x rows.**

**12. Using the scale picture of the wall, how many square feet of this wall will need to be painted red?**

 **Use the scale 2cm:6ft**

6cm

2cm

5cm

4cm





2Tbsp/5.5cups





15,25

$360

8.75

216

yes

3/2

9.75

6cm









15.75

5Tbsp/10cup

20,30

2/3

97.5

8cm

$36

no

198