

# 2-10 Practice

*Form K*

## Change Expressed as a Percent

**Tell whether each percent change is an increase or decrease. Then find the percent change. Round to the nearest percent.**

1. Original amount: 25  
New amount: 18

2. Original amount: 48  
New amount: 72

3. Original amount: 178  
New amount: 136

4. Original amount: 17  
New amount: 15

5. Original amount: 45  
New amount: 60

6. Original amount: 95  
New amount: 90

7. A store sells a running suit for \$35. Joey found the same suit online for \$29. What is the percent decrease to the nearest percent?

8. An online auction store started the bid on an item at \$19. The item sold for \$49. What was the percent increase to the nearest percent?

9. The original price for a motorcycle was \$11,000. The sale price this week is \$9799. What is the percent decrease to the nearest percent?

**Find the percent error in each estimation. Round to the nearest percent.**

10. You estimate that a tree is 45 ft tall. It is actually 58 ft tall.

11. A carpenter estimates the wall is 20 ft tall. The wall is actually 18 ft tall.

[Type text]

**A measurement is given. Find the minimum and maximum possible measurements.**

**12.** A patient weighs 178 lb to the nearest quarter pound.

**13.** A board is cut to 28 in. to the nearest half in.

**Find the percent change. Round to the nearest percent.**

**14.** \$158.49 to \$149.99

**15.** 7 in. to  $12\frac{1}{2}$  in.

**16.**  $12\frac{1}{4}$  hr to  $13\frac{1}{2}$  hr

**17.**  $29\frac{1}{2}$  oz to  $23\frac{1}{4}$  oz

**The measured dimensions of a rectangle are given to the nearest whole unit. Find the minimum and maximum possible areas of each rectangle.**

**18.** 25 in. by 22 in.

**19.** 5 m by 7 m

**The measured dimensions of a shape are given to the nearest whole unit. Find the greatest percent error of each shape.**

**20.** The perimeter of a rectangle with length 15 cm and width 21 cm.

**21.** The area of a triangle with base length 32 in. and height 25 in.