2-10 Practice
Change Expressed as a Percent

Form K

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.

2-10 **Practice** (continued) *Form K*

Change Expressed as a Percent

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

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

17. 7 in. to $12\frac{1}{2}$ in.

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.