Reverse Percentages

Practice worksheet · KS3

Name: _____ Date: _____

1. A price falls by 10% to 45 pounds. Find the original price.

2. A price falls by 20% to 240 pounds. Find the original price.

3. A price falls by 25% to 150 pounds. Find the original price.

4. A price falls by 30% to 140 pounds. Find the original price.

5. A price falls by 15% to 170 pounds. Find the original price.

6. A price falls by 40% to 180 pounds. Find the original price.

7. A price rises by 10% to 88 pounds. Find the original price.

8. A price rises by 20% to 360 pounds. Find the original price.

9. A price rises by 25% to 250 pounds. Find the original price.

10. A price rises by 5% to 210 pounds. Find the original price.

11. A price rises by 50% to 300 pounds. Find the original price.

12. A price falls by 12% to 220 pounds. Find the original price.

13. A price rises by 15% to 253 pounds. Find the original price.

★ stretch

14. A coat is 60 pounds in a 25% off sale. What was the original price? (pounds)

★ stretch

15. After a 10% pay rise, Ken earns 275 pounds a week. What was his pay before? (pounds)

★ stretch

16. A phone is 216 pounds after 10% off. Find the original price. (pounds)

★ stretch

Answers

Reverse percentages

1. 90% = 45 → 1% = 0.5 = 50
2. 80% = 240 → 1% = 3 = 300
3. 75% = 150 → 1% = 2 = 200
4. 70% = 140 → 1% = 2 = 200
5. 85% = 170 → 1% = 2 = 200
6. 60% = 180 → 1% = 3 = 300
7. 110% = 88 → 1% = 0.8 = 80
8. 120% = 360 → 1% = 3 = 300
9. 125% = 250 → 1% = 2 = 200
10. 105% = 210 → 1% = 2 = 200
11. 150% = 300 → 1% = 2 = 200
12. 88% = 220 → 1% = 2.5 = 250
13. 115% = 253 → 1% = 2.2 = 220
14. 75% = 60 → 1% = 0.8 = 80
15. 110% = 275 → 1% = 2.5 = 250
16. 90% = 216 → 1% = 2.4 = 240