

Computing Percentage Change

Increases and Decreases

Name: _____ Date: _____



Find the percentage change. State whether the change is an *increase* or *decrease*.

(1) Original: 22
New: 12

(2) Original: 35
New: 12

(3) Original: 47
New: 11

(4) Original: 39
New: 44

(5) Original: 44
New: 82

(6) Original: 24
New: 14

(7) Original: 49
New: 57

(8) Original: 50
New: 36

(9) Original: 48
New: 77

(10) Original: 21
New: 26

(11) Original: 26
New: 4

(12) Original: 23
New: 17

Computing Percentage Change

Increases and Decreases

ANSWER KEY

Find the percentage change. State whether the change is an *increase* or *decrease*.

(1) Original: 22

New: 12

Difference: $22 - 12 = 10$ Change: $10 \div 22 = 0.45$

45% decrease

(2) Original: 35

New: 12

Difference: $35 - 12 = 23$ Change: $23 \div 35 = 0.66$

66% decrease

(3) Original: 47

New: 11

Difference: $47 - 11 = 36$ Change: $36 \div 47 = 0.77$

77% decrease

(4) Original: 39

New: 44

Difference: $44 - 39 = 5$ Change: $5 \div 39 = 0.13$

13% increase

(5) Original: 44

New: 82

Difference: $82 - 44 = 38$ Change: $38 \div 44 = 0.86$

86% increase

(6) Original: 24

New: 14

Difference: $24 - 14 = 10$ Change: $10 \div 24 = 0.42$

42% decrease

(7) Original: 49

New: 57

Difference: $57 - 49 = 8$ Change: $8 \div 49 = 0.16$

16% increase

(8) Original: 50

New: 36

Difference: $50 - 36 = 14$ Change: $14 \div 50 = 0.28$

28% decrease

(9) Original: 48

New: 77

Difference: $77 - 48 = 29$ Change: $29 \div 48 = 0.6$

60% increase

(10) Original: 21

New: 26

Difference: $26 - 21 = 5$ Change: $5 \div 21 = 0.24$

24% increase

(11) Original: 26

New: 4

Difference: $26 - 4 = 22$ Change: $22 \div 26 = 0.85$

85% decrease

(12) Original: 23

New: 17

Difference: $23 - 17 = 6$ Change: $6 \div 23 = 0.26$

26% decrease