

Please solve each of the problems below and show your work in your spiral.

Percent of Change

original: \$350
new: \$400

① DIFFERENCE

$$400 - 350 = 50$$

ORIGINAL AMOUNT

② STARTING AMOUNT 350

③ DIVIDE

$$\frac{50}{350} = 0.142857 = 14.29\% \leftarrow \text{PERCENT CHANGE}$$

④ INCREASE OR DECREASE INCREASE

14.29% INCREASE

original: \$75
new: \$60

① DIFFERENCE

$$75 - 60 = 15$$

② STARTING AMOUNT 75

③ DIVIDE

$$\frac{15}{75} = 0.2 = 20\% \leftarrow \text{PERCENT CHANGE}$$

④ INCREASE OR DECREASE DECREASE

20% DECREASE

Please solve each of the problems below and show your work in your spiral.

Find the total cost to the nearest cent.

\$49.95 CD player; 5% tax

$$\$49.95 (0.05) = 2.4975 = \$2.50 \text{ TAX}$$

$$\$49.95 + \$2.50 = \$52.45 \text{ TOTAL}$$

$$\$49.95 (1.05) = 52.4475 = \$52.45 \text{ TOTAL}$$

CD PLAYER OR TAX
↑ ↑
105%

\$37 dinner; 15% tip

$$\$37 (0.15) = \$5.55 \text{ TIP}$$

$$\$37 + \$5.55 = \$42.55 \text{ TOTAL}$$

$$\$37 (1.15) = \$42.55 \text{ TOTAL}$$

↑ ↑
DINNER TIP
OR
115%