

## Discounts (Method 2)

10/22

\* find the % you are still paying

ex) 50% off → still paying 50%

$$\$10 \text{ game} \rightarrow 50\% \text{ off} = \frac{10 \times .5 = 5}{-5}$$

$$\$10 \text{ game} \rightarrow 30\% \text{ off} = \frac{10 \times .3 = 3}{-3}$$

↓  
Paying 70%  
(100-30)

$$10 \times .7 = \$7$$

↑  
\$7 game

Oct 22-9:34 AM

## Practice

① Video games \$65

Discount: 15% off

Paying: 85%

(100-15)

$$65 \times .85 = \$55.25$$

Hydroflask: \$50

Discount: 30%

Paying: 70%

(100-30)

$$50 \times .70 = \$35$$

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## Discounts with tax

\* Discount Percents CANNOT  
be Combined

\* Tax is paid on the discounted price

So...

① Find Sale Price (Multiply & Subtract)  
(Multiply by % paying)

② Find total Price (Multiply & Add)  
(Multiply by 1. —)

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## Examples

① Shirt: \$24.99

Discount: 25% → 0.25

Tax: 6% → 0.06

$$① 24.99 \times 0.25 = 6.25$$

$$② 24.99 - 6.25 = \$18.74$$

$$③ 18.74 \times 0.06 = 1.12$$

$$④ 18.74 + 1.12 = \boxed{\$19.86}$$

② Shoes: \$65.50

Discount: 40%

tax: 7.5%

$$40 \rightarrow .40 \quad 7.5 \rightarrow .075$$

$$65.50 \times .40 = 26.20$$

$$65.50 - 26.20 = 39.30$$

$$39.30 \times .075 = 2.95$$

$$39.30 + 2.95 = \boxed{\$(42.25)}$$

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## Examples

① Shirt: \$19.99

① Discount: 25% → 75%

② Tax: 6% → 1.06

$$19.99 \times .75 = \$14.99$$

$$14.99 \times 1.06 = \boxed{\$15.89}$$

② Shoes: \$56

① Discount: 40% = 60%

② Tax: 7.5%

$$56 \times .6 = 33.60$$

$$33.60 \times 1.075 =$$

$$\$36.12$$

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Kohl's has sheets on sale for 50% off. You also have a 50% off coupon. Will the \$45 sheets, be free?

$$45 \times 0.5 = \$22.50$$

$$22.50 \times 0.5 = \boxed{\$11.25}$$

Oct 24-10:00 AM