

Extra Practice

Find the sale price to the nearest cent.

15. \$119.50 skateboard;
20% off; 7% tax \$102.29

Homework Help →

$$\begin{aligned} 0.20 \times \$119.50 &= \$23.90 \\ \$119.50 - \$23.90 &= \$95.60 \\ 0.07 \times \$95.60 &= \$6.69 \\ \$95.60 + \$6.69 &= \$102.29 \end{aligned}$$

17. \$199 MP3 player; 15% discount

→ 0.15
SAVE 15%, PAY 85%

$$\begin{aligned} 199(0.15) &= 29.85 \\ 199 - 29.85 &= 169.15 \end{aligned}$$

OR

$$199(0.85) = 169.15$$

SALES PRICE IS \$169.15

16. \$40 sweater; 33% discount

→ 0.33
SAVE 33%, PAY 67%

$$\begin{aligned} 40(0.33) &= 13.2 \text{ SAVINGS} \\ 40 - 13.2 &= 26.8 \end{aligned}$$

OR

$$40(0.67) = 26.8$$

SALES PRICE IS \$26.80

18. \$12.25 pen set; 60% discount

→ 0.6
PAY 40% → 0.4

$$\begin{aligned} 12.25(0.6) &= 7.35 \text{ SAVINGS} \\ 12.25 - 7.35 &= 4.9 \end{aligned}$$

OR

$$12.25(0.4) = 4.9$$

SALES PRICE IS \$4.90

19. Mrs. Robinson bought a novel at a bookstore on sale for 20% off its regular price of \$29.99. Mr. Chang bought the same novel at a different bookstore for 10% off its regular price of \$25. Which person received the better discount? Explain.

MRS. ROBINSON → PAY 80% $\$29.99(0.8) = \23.99

MR. CHANG → PAY 90% $\$25(0.9) = \22.50

$$\begin{array}{r} \$29.99 \\ - 23.99 \\ \hline \$6.00 \end{array}$$

MRS. ROBINSON SAVE THE MOST MONEY, BUT MR. CHANG PAID THE LEAST FOR THE BOOK.

$$\begin{array}{r} 25.00 \\ - 22.50 \\ \hline \$2.50 \end{array}$$

20. **Multiple Representations** An online store is having a sale on digital cameras. The table shows the regular price and the sale price for the cameras.

- a. **Words** Write a rule that can be used to find the percent of decrease for any of the cameras.

DIVIDE THE DISCOUNT BY THE REGULAR PRICE.

Camera Model	Regular Price	Sale Price	Discount
A	\$97.99	\$83.30	\$14.69 15% ↓
B	\$102.50	\$82.00	\$20.50 20% ↓
C	\$75.99	\$65.35	\$10.64 14% ↓
D	\$150.50	\$135.45	\$15.05 10% ↓

- b. **Table** Complete the table for the discount.

- c. **Numbers** Which model has the greatest percent discount?

CAMERA MODEL B HAD THE GREATEST PERCENT DISCOUNT.

Think Smart for Smarter Balanced

DISCOUNT OF 15%, PAY 85%

21. An appliance store is having a 15% off sale during a holiday weekend. Which of the following could be deals offered by the store during the sale? Select all that apply.

YES washing machine: regular price: \$680, sale price: \$578 $\$680(0.85) = \578

NO refrigerator: regular price: \$1,120, sale price: \$896 $\$1,120(0.85) = \952

YES dryer: regular price: \$340, sale price: \$289 $\$340(0.85) = \289

YES chest freezer: regular price: \$250, sale price: \$212.50 $\$250(0.85) = \212.50

22. The table shows the regular prices and sale prices of items at 4 different stores. Select the correct percent of discount offered by each store.

Store	Price	Sale Price	Percent of Discount
A	\$68.20	\$51.15	
B	\$125.40	\$100.32	
C	\$269.75	\$215.80	
D	\$38.60	\$32.81	

15%	25%
20%	30%



Common Core Spiral Review

Find the percent of change. Round to the nearest whole percent if necessary. State whether the percent of change is an *increase* or *decrease*.

7.RP.3

23. 35 birds to 45 birds
DIFFERENCE = 10 ↑

$\frac{10}{35} = 0.285 = 28\%$
INCREASE

24. 60 inches to 38 inches

25. \$2.75 to \$1.80

26. Complete the table to express each number of months in years. Write in simplest form. The first one is done for you. 6.RP.3a

Number of Months	1	2	3	4	6
Time in Years	$\frac{1}{12}$	$\frac{1}{6}$	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{2}$

↑
 $\frac{1}{12}$ OF A YEAR
↑
 $\frac{1}{6}$ OF A YEAR