

Sales Promotions

Comparing Sale Prices

Sales and promotions can be expressed in a number of ways:

- Percent savings – Ex. 25% off
- Buy one, get one – Ex. Buy one item get the second item half price
- Fraction savings – Ex. $\frac{1}{3}$ off $\rightarrow$ Decimal $\frac{1}{3} = 0.33$
- Rebate or Dollar amount – Ex. Save \$10

Example:

1. Find the sale price if Sport Check has new hockey skates regular price \$129.99 on sale $\frac{1}{3}$ off.

$$1 \div 3 = 0.33$$

$$\$129.99 \times 0.33 = 43.33$$

$$\$129.99 - 43.33 = \boxed{\$86.66}$$

$$\left\{ \begin{array}{l} \frac{1}{3} \text{ off : pay } \frac{2}{3} = 0.66 \\ \$129.99 \times 0.66 = \boxed{\$86.66} \end{array} \right.$$

2. Jack is buying oak plywood for his cabinet making business. Plywood sheets are \$79.98 each

Home Depot has a promotion where if you spend \$500 you get \$100 off.

Rona is offering a deal 15% off the entire purchase.

$$8 \times 79.98 = \$639.84$$

- a) Where should Jack buy his plywood if he needs only 8 sheets?

HD	R 15% off : pay 85%
$\$639.84 - \$100 = \$539.84$	$\$639.84 \times 0.85 = \543.86

- b) What is the better deal if he needs 16 sheets?

$$16 \times 79.98 = 1279.68$$

$\$1279.68 - 100 = \1179.68	$\$1279.68 \times 0.85 = \1087.73
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better deal