

50 b.

	shorts	tops
1.	$8(7.99)$	$+ 8(2.99)$
2.	$8(5.99)$	$+ 8(8.99)$
3.	$4(7.99) + 4(5.99) + 4(6.99) + 4(4.99)$	

50 c.)

<p>8 of each 0.15 discount</p>	<p>Highest Price</p> $8(7.99) + 8(8.99) = 135.84 \text{ cost}$ $\begin{array}{r} \$135.84 \\ - 20.38 \\ \hline \$115.46 \end{array}$	$\begin{array}{r} \times 0.15 \text{ disc} \\ \hline 20.38 \end{array}$
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Least Expensive

$$8(5.99) + 8(2.99) =$$

1-4 Distributive Property

$$3(2+5)$$

$$3(2) + 3(5)$$

$$6 + 15$$

$$\textcircled{21}$$

$$3(2+5)$$

$$3(7)$$

$$\textcircled{21}$$

$$=$$

Distribute evenly to every piece!

$$\begin{aligned} & \underline{3}(5) + 1(\underline{3}) + 2(\underline{3}) \\ & 15 + 3 + 6 = \$24.00 \\ & \overbrace{3(5+1+2)} \\ & 3(8) \\ & \$24.00 \end{aligned}$$

Distributive

$$2(6 + 3)$$
$$2(6) + 2(3)$$

$$\begin{array}{r} 7 \cdot 49 \\ \hline 7(40) + 7(9) \\ 280 + 63 \\ \hline 343 \end{array}$$

Handwritten work showing the distributive property applied to $7 \cdot 49$. The number 49 is broken down into 40 (tens) and 9 (one). The calculation shows $7(40) + 7(9) = 280 + 63 = 343$. Red annotations include "tens" and "one" above 4 and 9, and " 4×10 " and " 9×1 " below the parentheses in the second line. The final result 343 is circled.

$$\begin{aligned} 2A.) \quad & 304(15) \\ & \overbrace{300 + 4} (15) \\ & 4500 + 60 \\ & \underline{4560} \end{aligned}$$

Break one of the numbers into place value

$$\begin{aligned} & 304(15) \\ & 300(15) + 4(15) \\ & \underline{4560} \end{aligned}$$

$$\begin{aligned} & 304(10) + 304(5) \\ & 3040 + 1520 \\ & \underline{4560} \end{aligned}$$

$$\begin{aligned} 2B. \quad & 44 \cdot 2\frac{1}{2} \\ & 44(2) + \frac{1}{2}(44) \\ & 88 + 22 \\ & \quad \textcircled{110} \end{aligned}$$

2c.

$$\begin{array}{l} 210(5) \\ 200(5) + 10(5) \\ 1000 + 50 \\ \textcircled{1050} \end{array} \qquad 5(200+10)$$

2D.)

$$\begin{array}{r} 52(17) \\ 50(17) + 2(17) \\ 850 + 34 \\ 884 \end{array}$$

$$17(50+2)$$

$$\begin{aligned} &7(3w - 5) \\ &7(3w) - 7(5) \\ &21w - 35 \end{aligned}$$

$$4(6v^2 + v - 3)$$

Keep the
operation
signs the same
they don't change!

$$24v^2 + 4v - 12$$

$$\begin{array}{r} 4y^3 + 2y - 8y + 5 \\ 4y^3 - 6y + 5 \end{array}$$

$$\triangle 7a + \square 4 \overset{\text{constant}}{\circlearrowleft} -6a^2 \triangle -2a$$
$$5a + 4 - 6a^2$$

Sign goes
with the
number