

Derek wants to order some roses online. For what number of roses is it less expensive to order from Florist A? From Florist B?



Florist A:

\$4 per blue rose plus
\$45 delivery charge



Florist B:

\$5.75 per red rose plus
\$20 deliver charge

46. **Make Sense and Persevere** An office manager is selecting a water delivery service. Acme H₂O charges a \$10 fee and \$9.50 per 5-gallon jug. Best Water charges a \$25 fee and \$7.25 per 5-gallon jug. How many 5-gallon jugs will the office have to buy each month for the cost of Best Water to be less than that of Acme H₂O?

47. **Model With Mathematics** Charlie can spend up to \$15 on lunch. He wants to buy a tuna sandwich, a bottle of apple juice, and x pounds of potato salad. Write and solve an inequality to find the possible numbers of pounds of potato salad he can buy.

