

## Answer Key

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### Challenge: Skills and Applications

1.  $\frac{5}{8}$  2. 7.7 3. \$27.70, \$33.24, \$37.98, \$17.41

(Note that tax amounts are rounded up to the nearest cent.) 4–7. Accept equivalent forms.

4. *Sample answers:*  $0.75p + 0.055(0.75p)$ , or  $1.055(p - 0.25p)$  5. *Sample answer:*  $(a^2 - b^2)h$

6. *Sample answer:*  $(ab + a^2)h$  7. *Sample answer:*  $(\frac{1}{2}ab + b^2)h$