

## Choose the best answer.

14. What is the sum?

$3.4a + (-3.5a)$

- A.  $-a$                       B.  $-0.1a$   
 C.  $0.1a$                      D.  $0$

16. A gallon of gasoline costs
- $g$
- dollars. Paul puts 12.5 gallons of gasoline in his car and 0.75 gallon of gasoline in a portable tank. Which shows how many dollars he spent on gasoline?

- A.  $13.25g$   
 B.  $12.8g$   
 C.  $12.5g + 0.75$   
 D.  $12.5 + 0.75 + g$

## Solve.

18. Ms. Lee sells her house for
- $d$
- dollars. Her real-estate agent collects a 3% commission on the sale price. Write an expression, in simplest form, to represent how many dollars Ms. Lee will receive from the sale of her house after the agent's commission is deducted from the sale price. Show or explain your work.

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- 20.
- JUSTIFY**
- Justify why the sum of
- $3a$
- and
- $2b$
- cannot**
- be represented as
- $5ab$
- .

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15. What is the sum?

$-3\frac{1}{3}b + b$

- A.  $-4\frac{1}{3}b$                       B.  $-3\frac{2}{3}b$   
 C.  $-3b$                          D.  $-2\frac{1}{3}b$

17. Lillian buys a jacket for
- $j$
- dollars. She must pay 7% sales tax on her purchase. Which expression represents how many dollars she will pay in all, including sales tax?

- A.  $1.7j$   
 B.  $1.07j$   
 C.  $7j$   
 D.  $j + 0.07$

19. An electrician bought
- $\frac{7}{8}$
- meter of copper wire from a hardware store at a cost of
- $c$
- dollars per meter. The electrician used
- $\frac{3}{4}$
- meter of the copper wire for a job. Write an expression, in simplest form, to show the dollar value of the copper wire he did
- not**
- use. Show or explain your work.

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- 21.
- IDENTIFY**
- Identify the missing addend in
- $3.58n + \underline{\hspace{2cm}} = 0$
- . Explain how you determined the answer.

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