## Guided Practice

Write each fraction or mixed number as a decimal. (Example 1)

1. $\frac{2}{5}$ $\qquad$
2. $\frac{8}{9}$
3. $3 \frac{3}{4}$
4. $\frac{7}{10}$ $\qquad$
5. $2 \frac{3}{8}$ $\qquad$
6. $\frac{5}{6}$
$\qquad$

Write each decimal as a fraction or mixed number in simplest form.
(Example 2)
7. 0.675 $\qquad$
8. 5.6 $\qquad$ 9. 0.44 $\qquad$
10. $0 . \overline{4}$
$10 x=\square$
$-x \quad-\square$
$\square x=\square$

$$
x=
$$

$\qquad$

$$
x=
$$

$\qquad$

Solve each equation for $\boldsymbol{x}$. (Example 3)
13. $x^{2}=144$
$x= \pm \sqrt{\square}= \pm \square$
14. $x^{2}=\frac{25}{289}$

15. $x^{3}=216$


Approximate each irrational number to two decimal places without a calculator.
(Explore Activity)
16. $\sqrt{5} \approx \square$
17. $\sqrt{3} \approx$ $\square$
18. $\sqrt{10} \approx$ $\square$

## ESSENTIAL QUESTION CHECK-IN

19. What is the difference between rational and irrational numbers?
$\qquad$
$\qquad$
