Name $\qquad$ Period $\qquad$ Date $\qquad$

## Proportions 1

For problems 1-4, set up the proportion for each set of similar figures and solve for the missing length.
1.


18 inches
2.


12 yards
3.

4.


16 cm


For problems 5 - 8, use the scale factor to find the missing lengths.
5. scale factor $=\frac{2}{3}$

y inches
6. $\quad$ scale factor $=\frac{1}{2}$

7. scale factor $=\frac{3}{4}$

21 yards

8. $\quad$ scale factor $=\frac{1}{4}$


Name $\qquad$ ANSWER KEY $\qquad$ Period $\qquad$ Date $\qquad$

## Proportions 1

For problems 1-4, set up the proportion for each set of similar figures and solve for the missing length.
1.


18 inches
2.


12 yards
3.

4.


For problems 5 - 8, use the scale factor to find the missing lengths.
5. scale factor $=\frac{2}{3}$

6. $\quad$ scale factor $=\frac{1}{2}$

7. scale factor $=\frac{3}{4}$

8. $\quad$ scale factor $=\frac{1}{4}$


