

SKILL 10: Meaning of Percent

A **percent** is a ratio that makes a comparison to 100.

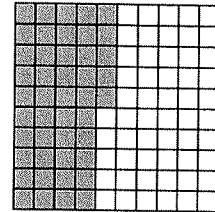
The meaning of percent is hundredths. So 80% is 80 hundredths, or $\frac{80}{100}$.

Example 1

What percent (%) of the figure is shaded?

45 out of 100 squares, or 45 hundredths of the squares are shaded.

$\frac{45}{100} = 45\%$, so 45% of the figure is shaded.



Example 2

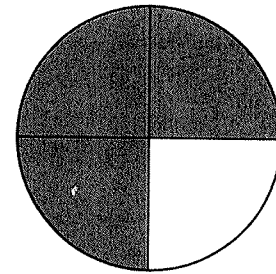
What percent of the circle is shaded?

3 out of 4 of the sections of the circle are shaded.

Find a ratio equal to $\frac{3}{4}$ with a denominator of 100.

Then write the percent.

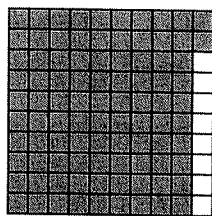
$\frac{3}{4} = \frac{3 \times 25}{4 \times 25} = \frac{75}{100} = 75\%$, so 75% of the circle is shaded.



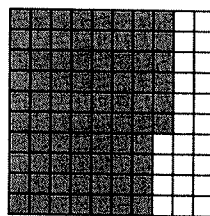
Guided Practice

Give the percent of each figure that is shaded.

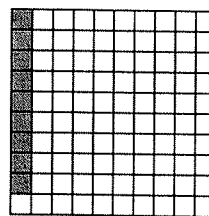
1.



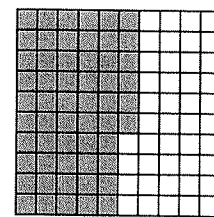
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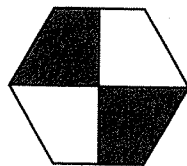
3.



4.



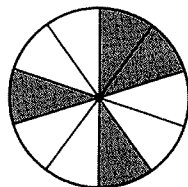
5.



$$\frac{1}{2} = \frac{\square}{100}$$

$$\frac{1}{2} = \underline{\hspace{2cm}}$$

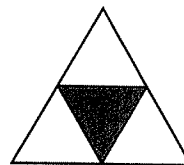
6.



$$\frac{4}{10} = \frac{\square}{100}$$

$$\frac{4}{10} = \underline{\hspace{2cm}}$$

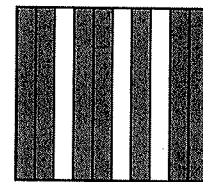
7.



$$\frac{1}{4} = \frac{\square}{100}$$

$$\frac{1}{4} = \underline{\hspace{2cm}}$$

8.



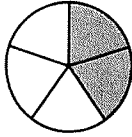
$$\frac{7}{10} = \frac{\square}{100}$$

$$\frac{7}{10} = \underline{\hspace{2cm}}$$

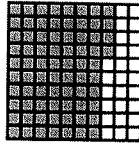
SKILL 10: Practice

What percent of the figure is shaded?

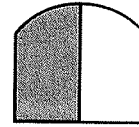
1.



2.



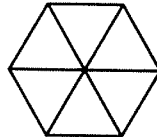
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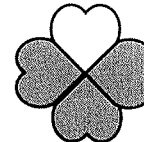
4.



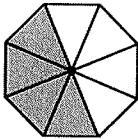
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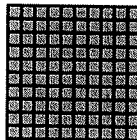
6.



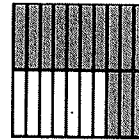
7.



8.



9.

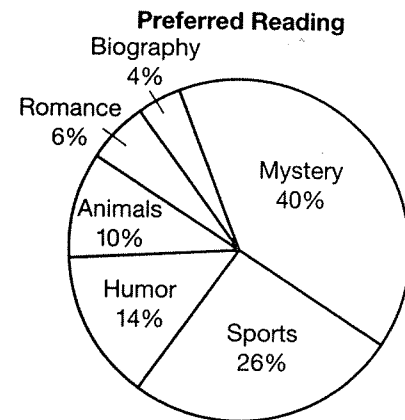


Solve each problem using the circle graph.

10. What percent of the preferred reading is humor or mystery books? _____

11. What types of books together represent 90% of the preferred reading? _____

12. What percent is represented by the entire circle? _____



13. What percent of the figure is shaded?



Skill 10

A 0.4

C 40%

B $\frac{2}{5}$

D 60%

14. Jo saves \$6 out of every \$15 she earns. How much does she save out of \$100 earned?

Skill 7

F \$40

H \$25

G \$90

J \$250