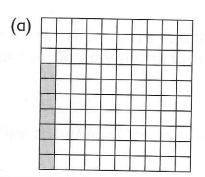
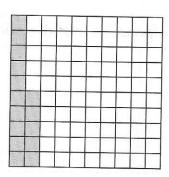
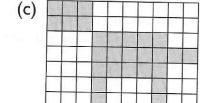
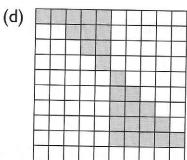
In each of the following, the whole is divided into 100 equal parts. 1. What percentage of the whole is shaded?



(b)

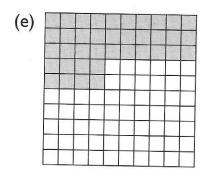




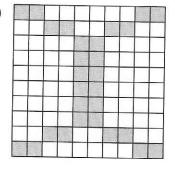


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ed op 13. 15. 17. 18 Sagn fall Iven 15. segrens, hom mady start fragings dut



(f)

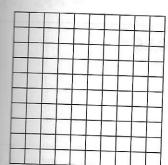


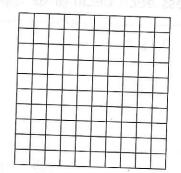
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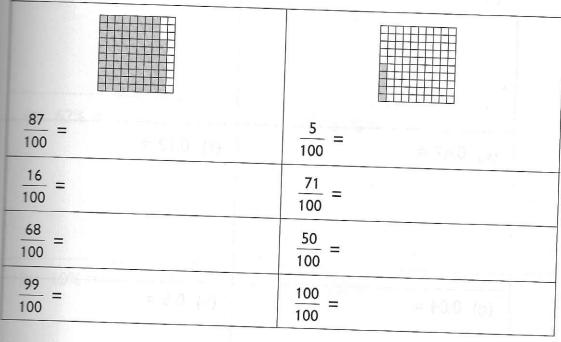
In each of the following, the whole is divided into 100 equal parts.

- (a) Shade 80% of the whole.
- (b) Shade 63% of the whole.





Express each fraction as a percentage.



Fill in the missing numerator or denominator.

$7\% = \frac{100}{100}$	1% = \frac{100}{100}
$43\% = \frac{100}{100}$	99% = 100
14% = 14	68% = 68
5% = 5	84% = 84

1. Express each decimal as a percentage.

(a) 0.15 =

(b) 0.86 =

(c) 0.4 =

(d) 0.9 =

(e) 0.47 =

(f) 0.12 =

(g) 0.04 =

(h) 0.5 =

(i) 0.75 =

(j) 0.06 =

Express each percentage as a decimal.

(a) 24% = (b) 37% = (c)

(c) 78% =

(d) 6% =

(e) 62% =

(f) 53% =

(g) 10% =

(h) 7% =

(i) 80% =

(j) 90% =

1. Express each percentage as a fraction in its simplest form.

(a) 
$$22\% = \frac{22}{100}$$

=

(c) 96% =

(d) 52% =

(e) 6% =

(f) 40% =

(g) 90% =

(h) 8% =

(i) 75% =

(j) 50% =

Express each fraction as a percentage.

(a) 
$$\frac{1}{2} =$$

(b) 
$$\frac{9}{50} =$$

(c) 
$$\frac{17}{20}$$
 =

(d) 
$$\frac{12}{25}$$
 =

(e) 
$$\frac{3}{5}$$
 =

(f) 
$$\frac{9}{15}$$
 =

(g) 
$$\frac{8}{50} =$$

(h) 
$$\frac{3}{12}$$
 =

(i) 
$$\frac{18}{75} =$$

(j) 
$$\frac{12}{40} =$$

Write each of the following as a percentage.

(a) 8 out of 40
$$\frac{8}{40} = \frac{2}{10}$$

# EXERCISE 19 The month to 8 structure and 2010 belief that

Write each of the following as a percentage.

(a) 186 out of 200

$$\frac{186}{200} = \frac{93}{100}$$

(b) 39 out of 300

(c) 96 out of 400

(d) 235 out of 500

(e) 122 out of 200

- 2. Sara mailed 20 Christmas cards. 9 of them were mailed to Canada. What percentage of the cards were mailed to Canada?
  - 186 = 93 200 100
  - There are 80 members in a school band. 24 of them are 6th grade
  - 3. There are 80 members in a school band. 24 of them are 6th grade students. What percentage of the members are 6th grade students?

4. There are 200 units in an apartment complex. 64 of them are three-bedroom apartments. What percentage of the apartments are three-bedroom apartments?