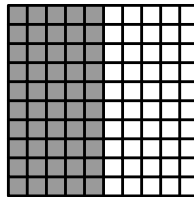


Percent: Skill 5 - 27A

The answer to test question 27A is B. $\frac{3}{5}$ Explanation: $60\% = \frac{60}{100} = \frac{60 \div 20}{100 \div 20} = \frac{3}{5}$

Percent means per hundred.

The grid has 100 squares.
50 out of 100 squares are gray.
Written as a percent: 50% of the grid
is gray.



Written as a decimal:

50 hundredths = 0.50

0.50 = 0.5 (in simplest form)

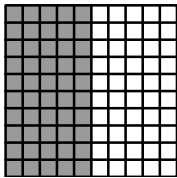
Written as a fraction and simplify:

$$\frac{50}{100} = \frac{50 \div 50}{100 \div 50} = \frac{1}{2}$$

Written as a ratio:

50 gray parts out of 100 parts = 50:100

Summary



50 gray parts out of 100 parts.

Written as a percent:
50%

Written as a fraction:

$$\frac{50}{100} \text{ or } = \frac{1}{2} \text{ (in simplest form)}$$

Written as a decimal:

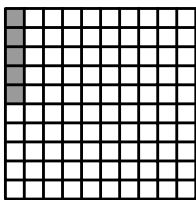
50 hundredths = 0.50
or = 0.5 (in simplest form)

Written as a ratio:

50:100
(50 shaded parts out of 100 parts)

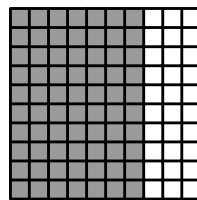
Directions: Write the percent shown by the shaded part of each grid. Then write a fraction in simplest form, a decimal in simplest form and a ratio to show the shaded part of each grid. The first two are done for you.

1.



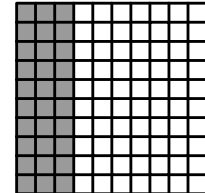
percent 5%
fraction $\frac{5}{100} = \frac{1}{20}$
decimal 0.05
ratio 5:100

2.



percent 70%
fraction $\frac{70}{100} = \frac{7}{10}$
decimal 0.70 = 0.7
ratio 70:100

3.

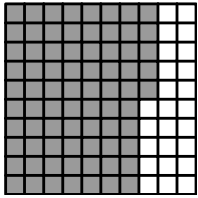


percent _____
fraction _____
decimal _____
ratio _____

Percent: Skill 5 - 27A

Directions: Write the percent shown by the shaded part of each grid. Then write a fraction in simplest form, a decimal in simplest form and a ratio to show the shaded part of each grid.

4. Work space



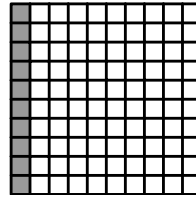
percent _____

fraction _____

decimal _____

ratio _____

5. Work space



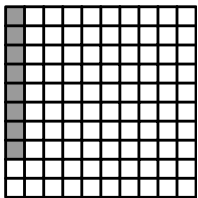
percent _____

fraction _____

decimal _____

ratio _____

6. Work space



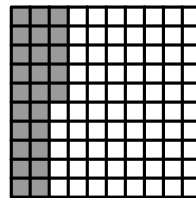
percent _____

fraction _____

decimal _____

ratio _____

7. Work space



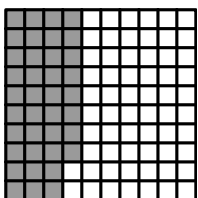
percent _____

fraction _____

decimal _____

ratio _____

8. Work space



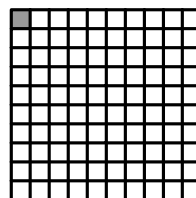
percent _____

fraction _____

decimal _____

ratio _____

9. Work space



percent _____

fraction _____

decimal _____

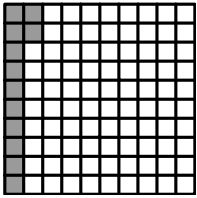
ratio _____

Percent: Skill 5 - 27A

Directions: Write the percent shown by the shaded part of each grid. Then write a fraction in simplest form, a decimal in simplest form and a ratio to show the shaded part of each grid.

10.

Work space



percent _____

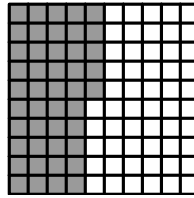
fraction _____

decimal _____

ratio _____

11.

Work space



percent _____

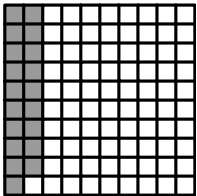
fraction _____

decimal _____

ratio _____

12.

Work space



percent _____

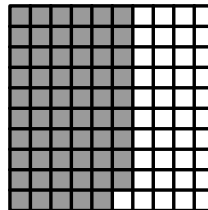
fraction _____

decimal _____

ratio _____

13.

Work space



percent _____

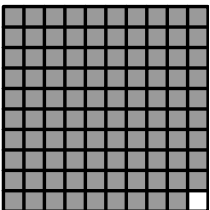
fraction _____

decimal _____

ratio _____

14.

Work space



percent _____

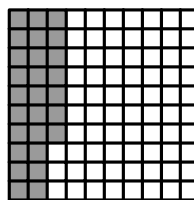
fraction _____

decimal _____

ratio _____

15.

Work space



percent _____

fraction _____

decimal _____

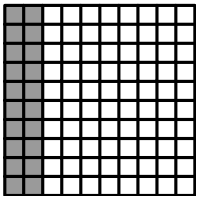
ratio _____

Percent: Skill 5 - 27A

Directions: Write the percent shown by the shaded part of each grid. Then write a fraction in simplest form, a decimal in simplest form and a ratio to show the shaded part of each grid.

16.

Work space



percent _____

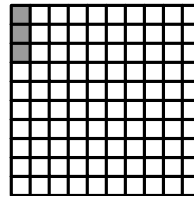
fraction _____

decimal _____

ratio _____

17.

Work space



percent _____

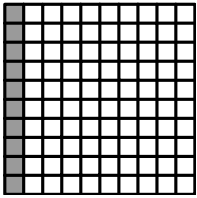
fraction _____

decimal _____

ratio _____

18.

Work space



percent _____

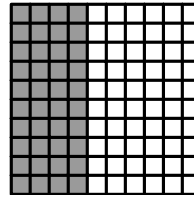
fraction _____

decimal _____

ratio _____

19.

Work space



percent _____

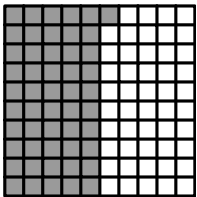
fraction _____

decimal _____

ratio _____

20.

Work space



percent _____

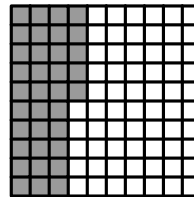
fraction _____

decimal _____

ratio _____

21.

Work space



percent _____

fraction _____

decimal _____

ratio _____

Skill 5-27A: Percent

Directions: Write each fraction as a percent. The first one is done for you.

22. $\frac{30}{100} = 30\%$

23. $\frac{45}{100}$

24. $\frac{90}{100}$

25. $\frac{7}{100}$

26. $\frac{12}{100}$

27. $\frac{75}{100}$

28. $\frac{1}{100}$

29. $\frac{25}{100}$

Directions: Write each percent as a decimal. Also write the decimal in simplest form. The first one is done for you.

30. $80\% = 0.80 = 0.8$

31. 63%

32. 30%

33. 12%

34. 45%

35. 72%

36. 95%

37. 70%

38. 33%

Directions: Write each ratio as a percent. The first one is done for you.

39. $30:100 = 30\%$

40. $1:100$

41. $42:100$

42. $7:100$

43. $12:100$

44. $75:100$

45. $20:100$

46. $15:100$

Directions: Write each percent as a fraction in simplest form, a decimal in simplest form and a ratio. The first one is done for you.

47.

percent $\frac{60\%}{\quad}$
 fraction $\frac{\frac{60}{100} = \frac{3}{5}}{\quad}$
 decimal $\frac{0.60 = 0.6}{\quad}$
 ratio $\frac{60:100}{\quad}$

48.

percent $\frac{33\%}{\quad}$
 fraction $\frac{\quad}{\quad}$
 decimal $\frac{\quad}{\quad}$
 ratio $\frac{\quad}{\quad}$

49.

percent $\frac{50\%}{\quad}$
 fraction $\frac{\quad}{\quad}$
 decimal $\frac{\quad}{\quad}$
 ratio $\frac{\quad}{\quad}$

50.

percent $\frac{12\%}{\quad}$
 fraction $\frac{\quad}{\quad}$
 decimal $\frac{\quad}{\quad}$
 ratio $\frac{\quad}{\quad}$

Answer Key 5-27A

3. percent <u>30%</u> fraction $\frac{30}{100} = \frac{3}{10}$ decimal <u>0.30 = 0.3</u> ratio <u>30:100</u>	4. percent <u>75%</u> fraction $\frac{75}{100} = \frac{3}{4}$ decimal <u>0.75</u> ratio <u>75:100</u>	5. percent <u>10%</u> fraction $\frac{10}{100} = \frac{1}{10}$ decimal <u>0.10 = 0.1</u> ratio <u>10:100</u>	6. percent <u>8%</u> fraction $\frac{8}{100} = \frac{2}{25}$ decimal <u>0.08</u> ratio <u>8:100</u>
7. percent <u>25%</u> fraction $\frac{25}{100} = \frac{1}{4}$ decimal <u>0.25</u> ratio <u>25:100</u>	8. percent <u>38%</u> fraction $\frac{38}{100} = \frac{19}{50}$ decimal <u>0.38</u> ratio <u>38:100</u>	9. percent <u>1%</u> fraction $\frac{1}{100}$ decimal <u>0.01</u> ratio <u>1:100</u>	10. percent <u>12%</u> fraction $\frac{12}{100} = \frac{3}{25}$ decimal <u>0.12</u> ratio <u>12:100</u>
11. percent <u>45%</u> fraction $\frac{45}{100} = \frac{9}{20}$ decimal <u>0.45</u> ratio <u>45:100</u>	12. percent <u>19%</u> fraction $\frac{19}{100}$ decimal <u>0.19</u> ratio <u>19:100</u>	13. percent <u>59%</u> fraction $\frac{59}{100}$ decimal <u>0.59</u> ratio <u>59:100</u>	14. percent <u>99%</u> fraction $\frac{99}{100}$ decimal <u>0.99</u> ratio <u>99:100</u>
15. percent <u>27%</u> fraction $\frac{27}{100}$ decimal <u>0.27</u> ratio <u>27:100</u>	16. percent <u>20%</u> fraction $\frac{20}{100} = \frac{2}{10}$ decimal <u>0.20 = 0.2</u> ratio <u>20:100</u>	17. percent <u>3%</u> fraction $\frac{3}{100}$ decimal <u>0.03</u> ratio <u>3:100</u>	18. percent <u>10%</u> fraction $\frac{10}{100} = \frac{1}{10}$ decimal <u>0.10 = 0.1</u> ratio <u>10:100</u>
19. percent <u>40%</u> fraction $\frac{40}{100} = \frac{2}{5}$ decimal <u>0.40 = 0.4</u> ratio <u>40:100</u>	20. percent <u>51%</u> fraction $\frac{51}{100}$ decimal <u>0.51</u> ratio <u>51:100</u>	21. percent <u>35%</u> fraction $\frac{35}{100} = \frac{7}{20}$ decimal <u>0.35</u> ratio <u>35:100</u>	

Answer Key 5-27A

Directions: Write each fraction as a percent. The first one is done for you.

22. $\frac{30}{100} = 30\%$

23. $\frac{45}{100} = 45\%$

24. $\frac{90}{100} = 90\%$

25. $\frac{7}{100} = 7\%$

26. $\frac{12}{100} = 12\%$

27. $\frac{75}{100} = 75\%$

28. $\frac{1}{100} = 1\%$

29. $\frac{25}{100} = 25\%$

Directions: Write each percent as a decimal. Also write the decimal in simplest form. The first one is done for you.

30. $80\% = 0.80 = 0.8$

31. $63\% = 0.63$

32. $30\% = 0.30 = 0.3$

33. $12\% = 0.12$

34. $45\% = 0.45$

35. $72\% = 0.72$

36. $95\% = 0.95$

37. $70\% = 0.70 = 0.7$

38. $33\% = 0.33$

Directions: Write each ratio as a percent. The first one is done for you.

39. $30:100 = 30\%$

40. $1:100 = 1\%$

41. $42:100 = 42\%$

42. $7:100 = 7\%$

43. $12:100 = 12\%$

44. $75:100 = 75\%$

45. $20:100 = 20\%$

46. $15:100 = 15\%$

Directions: Write each percent as a fraction in simplest form, a decimal in simplest form and a ratio. The first one is done for you.

47.

percent	<u>60%</u>
fraction	$\frac{60}{100} = \frac{3}{5}$
decimal	<u>0.60 = 0.6</u>
ratio	<u>60:100</u>

48.

percent	<u>33%</u>
fraction	$\frac{33}{100}$
decimal	<u>0.33</u>
ratio	<u>33:100</u>

49.

percent	<u>50%</u>
fraction	$\frac{50}{100} = \frac{1}{2}$
decimal	<u>0.50 = 0.5</u>
ratio	<u>50:100</u>

50.

percent	<u>12%</u>
fraction	$\frac{12}{100} = \frac{3}{25}$
decimal	<u>0.12</u>
ratio	<u>12:100</u>