Codeyoung

# Application_Grade-5_Percentages

The Relationship between Fractions and Percentages

1.

**Write as a percent.**

**24.** $\frac{53}{100}$ **25.** $\frac{71}{100}$ **26.** $\frac{6}{10}$ **27.** $\frac{1}{2}$ **28.** $\frac{1}{4}$

**29.** $\frac{1}{5}$ **30.** $\frac{3}{5}$ **31.** $\frac{7}{25}$ **32.** $\frac{16}{40}$ **33.** $\frac{42}{60}$

2.

**Express each percent as a fraction in simplest form.**

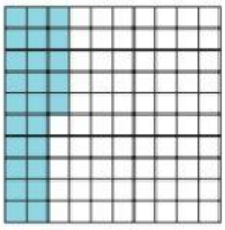
**44.** $7\frac{1}{2}\%$

**45.** $8\frac{4}{5}\%$ **46.** $10\frac{3}{4}\%$ **47.** $15\frac{1}{2}\%$ **48.** $5\frac{1}{8}\%$ **49.** $16\frac{2}{5}\%$

3.

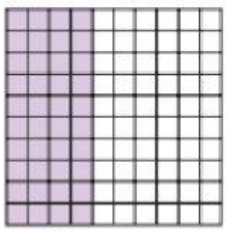
**Tell what fractional part of the grid is shaded.**
**Then write the fraction as a percent.**

**1.**



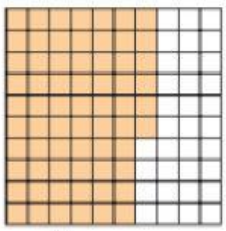
$\frac{?}{100} = \frac{?}{}$

**2.**



$\frac{?}{100} = \frac{?}{}$

**3.**



$\frac{?}{100} = \frac{?}{}$

4.

**Write as a fraction with a denominator of 100.**

**44.** 77% **45.** 8% **46.** 82% **47.** 10% **48.** 55% **49.** 79%

**50.** 23% **51.** 98% **52.** 37% **53.** 19% **54.** 46% **55.** 5%

LIVEWORKSHEETS

Codeyoung

5.

**Use the table for problems 26–27.**

**26.** What percent of Paul's day is spent playing and eating? Write this percent as a fraction.

**27.** What percent of Paul's day is *not* spent in school? Write this as a fraction.

| Paul's Day | |
|---|---|
| **Activity** | **Part of Day** |
| school | 25% |
| sleep | 35% |
| play | 18% |
| eating | 10% |
| other | 12% |

6.

Al has a collection of 100 stamps. Forty are international stamps. What percent of his collection are international stamps?

LIVEWORKSHEETS