



Fractions

Grade 6

Fractions, decimals and percents

The three ways of writing the same amount, and how to move between them.

WHAT'S INSIDE

- 10 exercises with space to write
- Full answer key on the last page
- US Letter, black and white, one page per section



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Name: _____

Date: _____

Remember

A fraction, a decimal and a percent can all name the same number. To turn a fraction into a decimal, divide the numerator by the denominator. To turn a decimal into a percent, move the decimal point two places to the right.

1. Write each fraction as a decimal.

$$\frac{1}{2} = \quad \frac{3}{4} = \quad \frac{1}{5} = \quad \frac{7}{10} =$$

2. Write each decimal as a percent.

$$0.25 = \quad 0.6 = \quad 0.08 = \quad 1.5 =$$

3. Write each percent as a fraction in simplest form.

$$50\% = \quad 20\% = \quad 75\% = \quad 5\% =$$

4. Complete the table row: $\frac{2}{5} = \underline{\quad} = \underline{\quad}$

5. Order from smallest to largest.

$$0.7 \cdot \frac{3}{4} \cdot 68\% \cdot 0.72$$

6. A shirt costs \$40 and is 25% off. What do you pay?



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7. 18 of the 25 students walk to school. Write that as a fraction, a decimal and a percent.

8. Which is the better deal: $\frac{1}{3}$ off, or 30% off? Show why.

9. A test has 20 questions and you get 17 right. What is your score as a percent?

10. Explain why 0.5 and 0.50 are the same number but 5% and 50% are not.



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1. 0.5; 0.75; 0.2; 0.7
2. 25%; 60%; 8%; 150%
3. $\frac{1}{2}$; $\frac{1}{5}$; $\frac{3}{4}$; $\frac{1}{20}$
4. $\frac{2}{5} = 0.4 = 40\%$.
5. 68% (0.68), 0.7, 0.72, $\frac{3}{4}$ (0.75).
6. 25% of 40 is \$10, so you pay \$30.
7. $\frac{18}{25} = 0.72 = 72\%$.
8. $\frac{1}{3}$ is about 33.3%, so $\frac{1}{3}$ off is the bigger discount.
9. $\frac{17}{20} = 0.85 = 85\%$.
10. Adding a zero at the end of a decimal does not change its value. But 5% is 0.05 and 50% is 0.5, ten times bigger.