

L11 Percents

$$\frac{\%}{100} \rightarrow \text{reduce}$$

$$72\% \rightarrow \frac{72 \div 2}{100 \div 2} = \frac{36 \div 2}{50 \div 2} = \frac{18}{25}$$

$$42\% \rightarrow$$

$$\frac{42}{1} \times \frac{1}{100}$$

$$\frac{42 \div 2}{100 \div 2}$$

$$\frac{21}{50}$$

$$\% \rightarrow \frac{n}{d}$$
$$\% \times \frac{1}{100}$$

$$\frac{n}{d} \rightarrow \%$$

$$\frac{3 \times 20}{5 \times 20} = \frac{60}{100}$$

$$\frac{n}{d} \times \frac{100\%}{1}$$

$$\frac{3}{5} \times \frac{100\%}{1} = 60\%$$

$33\frac{1}{3}\% \rightarrow$ fraction

$$33\frac{1}{3} \times \frac{1}{100}$$

$$\frac{100}{3} \times \frac{1}{100} = \frac{1}{3}$$

$$\frac{n}{d} \rightarrow \% \quad \frac{n}{d} \times \frac{100\%}{1}$$

$$\% \rightarrow \frac{n}{d} \quad \frac{\%}{1} \times \frac{1}{100}$$

40% of the 30 students rode the bus. How many of the students rode the bus?

$$40\% \times 30 \rightarrow \frac{40}{1} \times \frac{1}{100} \rightarrow \frac{40}{100} \times \frac{30}{1} = 12 \text{ students}$$

L11

psat a-f, i, j

#3, 4, 5, 8, 9, 10, 12, 15, 16, 17, 18, 27