

# U1.1

## 1. Write T (True) or F (False)

$$\frac{9}{10} = 0,9 \quad (\underline{\hspace{2cm}})$$

$$\frac{21}{100} = 0,021 \quad (\underline{\hspace{2cm}})$$

$$3\frac{3}{10} = 0,33 \quad (\underline{\hspace{2cm}})$$

$$\frac{7}{100} = 0,7 \quad (\underline{\hspace{2cm}})$$

$$5\frac{1}{10} = 1,5 \quad (\underline{\hspace{2cm}})$$

$$\frac{39}{1000} = 0,039 \quad (\underline{\hspace{2cm}})$$

## 2. write numbers as decimals

$$\frac{3}{10}$$

$$1\frac{13}{100}$$

$$\frac{9}{100}$$

$$\frac{3}{1000}$$

$$7\frac{27}{1000}$$

$$19\frac{638}{1000}$$

$$\frac{17}{10\,000}$$

## 3. Convert decimals to fractions. Simplify

$$1,8 = \underline{\hspace{2cm}}$$

$$3,44 = \underline{\hspace{2cm}}$$

$$0,25 = \underline{\hspace{2cm}}$$

$$12,016 = \underline{\hspace{2cm}}$$

$$0,135 = \underline{\hspace{2cm}}$$

$$0,75 = \underline{\hspace{2cm}}$$

$$5,5 = \underline{\hspace{2cm}}$$

$$4,248 = \underline{\hspace{2cm}}$$

$$6,125 = \underline{\hspace{2cm}}$$

## 4. Convert common fractions to a denominator of 100 and write them as decimals

$$\frac{9}{10}$$

$$\frac{1}{2}$$

$$\frac{13}{20}$$

$$\frac{3}{4}$$

$$\frac{23}{25}$$

$$\frac{7}{50}$$

**5. Of the 20 cars and trucks owned by the company,  $\frac{2}{5}$  of all cars are passenger cars. How many trucks does the company have?**

**6. 20 sixth-graders study at the sports school. Among them are 12 girls. What proportion of all participants are girls?**

**7. In a hockey match, the first team scored 6 goals, which is  $\frac{2}{3}$  of all goals scored. How many goals did the second team score in the match?**

**8. After  $\frac{2}{3}$  of the new iPhone 17 ProMax were sold, the store had 30 phones left. How many phones were in the store at the very beginning?**