



Englische Übungen zu „Prozentrechnungen“

1. Change these percentages to fractions. Cancel down where possible.
 - a. 80 %
 - b. 3 %
 - c. 25 %
 - d. 96 %
 - e. 10 %
 - f. 20 %
 - g. 15 %
2. Convert the fractions and decimals to percentages and then write the numbers in order of size, smallest first.
 - a. $\frac{3}{4}$, $\frac{3}{5}$, 0.7
 - b. $\frac{1}{5}$, 0.15, $\frac{1}{20}$
 - c. $\frac{7}{20}$, 0.3, $\frac{9}{25}$
 - d. $\frac{12}{16}$, 0.75, $\frac{4}{5}$
3. Convert the fractions to percentages. These are fractions where you should know the decimal equivalent.
 - a. $\frac{1}{4}$
 - b. $\frac{7}{10}$
 - c. $\frac{1}{2}$
 - d. $\frac{7}{100}$
 - e. $\frac{3}{4}$
 - f. $\frac{1}{20}$
 - g. $\frac{2}{25}$
4. Complete the table.

	a)	b)	c)
percentage			45%
fraction	$\frac{4}{5}$		
decimal		0.6	
5. A school has 880 pupils. Of these 15 % cycle to school, 55 % go by bus and the rest walk.
 - a. How many children cycle to school?
 - b. How many children walk to school?
6. A clothes shop is having a sale. All the clothes are reduced by 20 %. What is the sale price of a jacket normally priced
 - a. at € 80
 - b. at € 24?
7. A bookshop had a sale. All books were reduced by 15 %. Alex bought an atlas for € 21.25. How much would it have been before the sale?





8. 30 % of a cake is left. This weighs 240 g. How much did the whole cake weigh?
9. What percentage could be used in each sentence?
- a. One quarter of the pupils at a school had school dinners.
 - b. Four out of five workers voted for a strike.
 - c. Kathe got 18 out of 20 in the spelling quiz.
 - d. One of ten mothers thinks children are too tidy at home.

Vocabulary

Englisch	Deutsch
percentage	Prozentsatz
fraction	Bruch
to cancel down	kürzen
to convert	umformen
in order of size	der Größe nach
equivalent	Entsprechung
pupils	Schüler
to cycle	Rad fahren
to walk	zu Fuß gehen
to be reduced	verbilligt sein





Solutions

1. Change these percentages to fractions. Cancel down where possible.

a. $80 \% = \frac{4}{5}$

d. $96 \% = \frac{24}{25}$

g. $15 \% = \frac{3}{20}$

b. $3 \% = \frac{3}{100}$

e. $10 \% = \frac{1}{10}$

c. $25 \% = \frac{1}{4}$

f. $20 \% = \frac{1}{5}$

2. Convert the fractions and decimals to percentages and then write the numbers in order of size, smallest first.

a. 60%, 70%, 75%

c. 30 %, 35 %, 36 %

b. 5 %, 15 %, 20 %

d. 75 %, 75 %, 80 %

3. Convert the fractions to percentages. These are fractions where you should know the decimal equivalent.

a. $\frac{1}{4} = 25 \% =$

c. $\frac{1}{2} = 50 \% = 0.5$

e. $\frac{3}{4} = 75 \% = 0.75$

0.25

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

f. $\frac{1}{20} = 5 \% = 0.05$

b. $\frac{7}{10} = 70 \% =$

0.07

g. $\frac{2}{25} = 8 \% = 0.08$

0.7

4. Complete the table.

	a)	b)	c)
percentage	80 %	60%	45%
fraction	4/5	3/5	9/20
decimal	0.8	0.6	0.45

5. A school has 880 pupils. Of these 15 % cycle to school, 55 % go by bus and the rest walk.

a. 132 children cycle to school.

b. 264 children walk to school.

6. A clothes shop is having a sale. All the clothes are reduced by 20 %. What is the sale price of a jacket normally priced

a. The sale price of the jacket is € 64.

b. The sale price of the jacket is € 19.20.

7. The atlas was € 25 before the sale.

8. The whole cake did weigh 800 grams.

9. What percentage could be used in each sentence?

a. 25 %

c. 90 %

b. 80 %

d. 10 %

