Independent Recap

Fractions, Decimals and Percentages

Year 6



Arithmetic

3.
$$\frac{5}{8}$$
 - $\frac{1}{3}$

Practice: Equivalent Fractions, Decimals and Percentages

5. Recap: Explain the connection between fractions, decimals and percentages.



6. Convert these fractions to decimals:

a.
$$\frac{4}{10}$$
 b. $\frac{4}{5}$

c.
$$\frac{3}{4}$$

- **7.** Convert these decimals to percentages:
 - a. 0.7
- b. 0.63
- c. 0.08
- 8. Convert these decimals to fractions and simplify:
 - a. 0.65

12. Complete the table.

- b. 0.8
- c. 0.04

- 9. Convert these percentages to decimals:
 - a. 70%
- b. 46%
- c. 3%
- **10.** Convince me that 0.6 is larger than $\frac{6}{100}$



- 11. Convert these percentages to fractions and simplify:
 - a. 28%
- b. 6%
- c. 75%
- **13.** Adelaide says 0.1 is the same as $\frac{1}{100}$ and 1%.



Is Adelaide correct? Explain.



Decimal Fraction Percentage 0.45 64%

14. How many ways can you complete this number sentence?









Answers

Q no.	Question	Answer
1	87,649 + 13,555	101,204
2	897 ÷ 39	23
3	$\frac{5}{8} - \frac{1}{3}$	$\frac{7}{24}$
4	61% of 410	250.1
5	Explain the connection between fractions, decimals and percentages.	Fractions, decimals and percentages are different ways to show the same number. For example $90\% = 0.9 = \frac{9}{10}$
6	Convert these fractions to decimals	a. 0.4, b. 0.8, c. 0.75
7	Convert these decimals to percentages	a. 70%, b. 63%, c. 8%
8	Convert these decimals to fractions and simplify	a. $\frac{13}{20}$, b. $\frac{4}{5}$, c. $\frac{1}{25}$
9	Convert these percentages to decimals	a. 0.7, b. 0.46, c. 0.03
10	Convince me that 0.6 is larger than $\frac{6}{100}$.	$\frac{6}{100}$ is the same as 0.06. 0.06 is smaller than 0.6. Alternatively, 0.6 is equivalent to $\frac{60}{100}$, which is larger than $\frac{6}{100}$.
11	Convert these percentages to fractions and simplify	a. $\frac{7}{25}$, b. $\frac{3}{50}$, c. $\frac{3}{4}$
12	Complete the table.	1st row: $\frac{45}{100}$ or $\frac{9}{20}$ and 45% 2nd row: 0.28 and 28% 3rd row: 0.64 and $\frac{64}{100}$ or $\frac{16}{25}$
13	Adelaide says 0.1 is the same as $\frac{1}{100}$ and 1%. Is Adelaide correct? Explain.	Adelaide is incorrect. She has confused the place value of decimals numbers. Instead of identifying 0.1 is the same as one tenth or $\frac{1}{100}$, she has identified it as one hundredth or $\frac{1}{100}$. The correct answers should be $0.1 = \frac{1}{10} = 10\%$.
14	How many ways can you complete this number sentence?	Accept any answers where the fraction has the smallest value. For example $87\% > \frac{1}{5} < 0.6$ $21\% > \frac{1}{100} < 1$ $50\% > \frac{2}{50} < 0.38$