

Independent Recap

Fractions, Decimals and
Percentages

Year 6

Arithmetic

1. $382,321 - 45,372$

2. 243×67

3. $\frac{3}{7} + \frac{1}{5}$

4. 52% of 250

Practice: Fractions to Percentages

5. Recap: Explain how to convert a fraction to a percentage.



For example $\frac{2}{5}$ or $\frac{51}{100}$

6. Convert these to percentages:

a. $\frac{23}{100}$

b. $\frac{76}{100}$

c. $\frac{9}{100}$

7. Convert these to percentages:

a. $\frac{27}{50}$

b. $\frac{3}{50}$

c. $\frac{48}{50}$

8. Convert these to percentages:

a. $\frac{17}{25}$

b. $\frac{23}{25}$

c. $\frac{2}{25}$

9. Convert these to percentages:

a. $\frac{19}{20}$

b. $\frac{7}{20}$

c. $\frac{11}{20}$

10. Prove that 25% is the same as $\frac{1}{4}$.



11. Convert these to percentages:

a. $\frac{1}{10}$

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

c. $\frac{9}{10}$

12. Convert these to percentages:

a. $\frac{1}{2}$

b. $\frac{3}{5}$

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

13. Ali says that $\frac{43}{50}$ is the same as 43%. Is Ali correct? Explain.



Challenge

14. Marshall and Asiyah are reading the same book.

Marshall has read 85% of the book.

Asiyah has read $\frac{4}{5}$ of the book. Who has read more of the book?



You might want to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer
1	$382,321 - 45,372$	336,949
2	243×67	16,281
3	$\frac{3}{7} + \frac{1}{5}$	$\frac{22}{35}$
4	52% of 250	130
5	Explain how to convert a fraction to a percentage.	There are two ways to convert fractions to percentages. The first way is to change the fraction to an equivalent fraction with a denominator of 100. As percent means how many parts per hundred, the numerator will then show the percentage (as this is how many parts per hundred there are). The second way is to convert the fraction to a decimal and multiply the decimal by 100.
6	$\frac{23}{100}$ $\frac{76}{100}$ $\frac{9}{100}$	a. 23%, b. 76%, c. 9%
7	$\frac{27}{50}$ $\frac{3}{50}$ $\frac{48}{50}$	a. 54%, b. 6%, c. 96%
8	$\frac{17}{25}$ $\frac{23}{25}$ $\frac{2}{25}$	a. 68%, b. 92%, c. 8%
9	$\frac{19}{20}$ $\frac{7}{20}$ $\frac{11}{20}$	a. 95%, b. 35%, c. 55%
10	Prove that 25% is the same as $\frac{1}{4}$.	$\frac{1}{4}$ is equivalent to $\frac{25}{100}$. Both fractions are therefore equivalent to 25%.
11	$\frac{1}{10}$ $\frac{4}{10}$ $\frac{9}{10}$	a. 10%, b. 40%, c. 90%
12	$\frac{1}{2}$ $\frac{3}{5}$ $\frac{3}{4}$	a. 50%, b. 60%, c. 75%
13	Ali says that $\frac{43}{50}$ is the same as 43%. Is Ali correct? Explain.	Ali is incorrect. $\frac{43}{50}$ is equivalent to $\frac{86}{100}$. $\frac{43}{50}$ as a percentage would be 86%.
14	Marshall and Asiyah are reading the same book. Marshall has read 85% of the book. Asiyah has read $\frac{4}{5}$ of the book. Who has read more of the book?	Marshall has read more. Marshall - 85% or $\frac{17}{20}$ Asiyah - 80% or $\frac{16}{20}$