Independent Recap

Fractions

Year 4

Arithmetic

1. 7,125 + 854

2. 475 - 238

3. ? x 12 = 72

4. 56 ÷ 8

Practice: Add 2 or More Fractions

5. Recap: When adding fractions with like denominators, do you add the denominator?
Explain.

6. Complete the calculations
a. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} =$ b. $\frac{2}{5} + \frac{2}{5} =$
c. $\frac{1}{5} + \frac{3}{5} =$

7. Draw bar models to show these calculations.
a. $\frac{2}{6} + \frac{2}{6} + \frac{1}{6} =$ b. $\frac{5}{9} + \frac{1}{9} + \frac{1}{9} =$
c. $\frac{1}{5} + \frac{2}{5} + \frac{1}{5} =$

8. Complete the calculations
a. $\frac{?}{6} + \frac{1}{6} = \frac{4}{6}$ b. $\frac{2}{4} + \frac{?}{4} = 1$
c. $\frac{?}{8} + \frac{1}{8} + \frac{1}{8} = \frac{5}{8}$

9. Draw bar models to show these calculations.
a. $\frac{2}{5} + \frac{6}{5} =$ b. $\frac{1}{4} + \frac{2}{4} + \frac{3}{4} =$
c. $\frac{3}{5} + \frac{3}{5} + \frac{1}{5} =$

10. What does it mean when the numerator is larger than the denominator? When the numerator is larger than the denominator, the fraction is [ ] than a whole.

11. Complete the calculations
a. $\frac{4}{7} + \frac{3}{7} =$ b. $\frac{5}{6} + \frac{2}{6} =$
c. $\frac{3}{4} + \frac{3}{4} =$

12. Complete the calculations
a. $1 + \frac{2}{4} + \frac{1}{4} =$ b. $\frac{?}{3} + \frac{1}{3} + \frac{2}{3} = \frac{4}{3}$
c. $\frac{3}{6} + \frac{?}{6} + \frac{2}{6} = \frac{9}{6}$

13. $\frac{4}{7} + \frac{1}{7} + \frac{1}{7} = \frac{6}{21}$

Explain the error.

14. How many different ways can you complete this calculation?

$\frac{?}{10} + \frac{?}{10} = \frac{7}{10}$

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	7,125 + 854	7,979
2	475 - 238	237
3	? x 12 = 72	6
4	56 ÷ 8 =	7
5	When adding fractions with like denominators, do you add the denominator?	You do not add denominators. This is because the denominator indicates how many parts the whole has been split into, which does not change.
6	Complete the calculations	a. $\frac{3}{5}$, b. $\frac{4}{5}$, c. $\frac{4}{5}$
7	Draw bar models to show these calculations.	Drawings should accurately represent the fractions. a. $\frac{5}{6}$, b. $\frac{7}{9}$, c. $\frac{4}{5}$
8	Complete the calculations	a. $\frac{3}{6}$, b. $\frac{2}{4}$, c. $\frac{3}{8}$
9	Draw bar models to show these calculations.	Drawings should accurately represent the fractions. a. $\frac{8}{5}$ or $1\frac{3}{5}$, b. $\frac{6}{4}$ or $1\frac{2}{4}$ or $1\frac{1}{2}$, c. $\frac{7}{5}$ or $1\frac{2}{5}$
10	What does it mean when the numerator is larger than the denominator?	When the numerator is larger than the denominator, the fraction is **larger** than a whole.
11	Complete the calculations	a. $\frac{7}{7}$ or 1, b. $\frac{7}{6}$ or $1\frac{1}{6}$, c. $\frac{6}{4}$ or $1\frac{2}{4}$ or $1\frac{1}{2}$
12	Complete the calculations	a. $1\frac{3}{4}$, b. $\frac{1}{3}$, c. $\frac{4}{6}$
13	Explain the error.	The denominators have been added as well as the numerator. As the denominator indicates how many parts the whole has been split into, the denominators should not be added. The number of parts each whole has been split into does not change.
14	How many different ways can you complete this calculation?	$\frac{1}{10} + \frac{6}{10}$ $\frac{2}{10} + \frac{5}{10}$ $\frac{3}{10} + \frac{4}{10}$ As addition is commutative, these calculations can be reversed.