Arithmetic

1. 409 + 100

2. 178 + 500

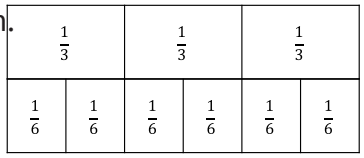
3. 3 x 9

4. 48 ÷ 8

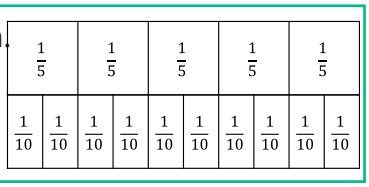
Practice: Equivalent Fractions (1)

5. Recap: What do the numerator and denominator of a fraction represent?

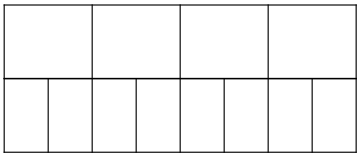
6. Look at the diagram. Find one pair of equivalent fractions.



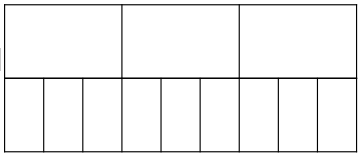
7. Look at the diagram. Find one pair of equivalent fractions.



8. Label the diagrams with fractions and find one pair of equivalent fractions.



9. Label the diagrams with fractions and find one pair of equivalent fractions.

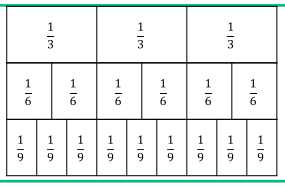


10. Explain what you notice about these equivalent fractions.

$\frac{1}{2} = \frac{2}{4}$

11. Draw two bars of equal length, one on top of the other. Split the first into 2 equal parts and the second into 4 equal parts. Label them and find an equivalent pair of fractions.

12. Use the diagram to find 3 equivalent fractions.



13. Jane says that $\frac{1}{4} = \frac{1}{8}$.

Explain her mistake.

Challenge

14. Identify the odd one out in each set of fractions.

a. $\frac{1}{2}$ $\frac{3}{6}$ $\frac{9}{10}$

b. $\frac{3}{9}$ $\frac{4}{6}$ $\frac{2}{3}$

c. $\frac{2}{8}$ $\frac{1}{4}$ $\frac{4}{8}$

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	409 + 100	509
2	178 + 500	678
3	3 x 9	27
4	48 ÷ 8	6
5	What do the numerator and denominator of a fraction represent?	The denominator is how many parts the whole has been split into. The numerator shows how many parts of the whole have been identified.
6	Look at the diagram. Find one pair of equivalent fractions.	$\frac{1}{3} = \frac{2}{6}$ or $\frac{2}{3} = \frac{4}{6}$ or $\frac{3}{3} = \frac{6}{6}$
7	Look at the diagram. Find one pair of equivalent fractions.	$\frac{1}{5} = \frac{2}{10}$ or $\frac{2}{5} = \frac{4}{10}$ or $\frac{3}{5} = \frac{6}{10}$ or $\frac{4}{5} = \frac{8}{10}$ or $\frac{5}{5} = \frac{10}{10}$
8	Label the diagrams with fractions and find one pair of equivalent fractions.	Labelled quarters and eights $\frac{1}{4} = \frac{2}{8}$ or $\frac{2}{4} = \frac{4}{8}$ or $\frac{3}{4} = \frac{6}{8}$ or $\frac{4}{4} = \frac{8}{8}$
9	Label the diagrams with fractions and find one pair of equivalent fractions.	Labelled thirds and ninths $\frac{1}{3} = \frac{3}{9}$ or $\frac{2}{3} = \frac{6}{9}$ or $\frac{3}{3} = \frac{9}{9}$
10	What do you notice about these equivalent fractions?	The numerator and denominator in $\frac{1}{2}$ have both been multiplied by 2.
11	Draw two bars of equal length and label.	$\frac{1}{2} = \frac{2}{4}$ or $\frac{2}{2} = \frac{4}{4}$
12	Use the diagram to find 3 equivalent fractions.	$\frac{1}{3} = \frac{2}{6} = \frac{3}{9}$ or $\frac{2}{3} = \frac{4}{6} = \frac{6}{9}$ or $\frac{3}{3} = \frac{6}{6} = \frac{9}{9}$
13	Explain Jane's mistake.	Jane has not multiplied both the numerator and denominator of $\frac{1}{4}$ by two to find an equivalent fraction.
14	Identify the odd one out in each set of fractions.	a. $\frac{9}{10}$ b. $\frac{3}{9}$ c. $\frac{4}{8}$