

Independent Recap

Fractions

Year 5

Arithmetic

1. $1,382 - 453$

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

3. $3.4 \div 10$

4. 217×8

Practice: Fractions as Operators

5. Recap: Explain 'commutativity'.
(Multiplication is commutative because...)



6. Work out the following:

a. 3 lots of $\frac{1}{7}$

b. $\frac{1}{7}$ of 3

c. $3 \times \frac{1}{7}$

7. How else could you write $\frac{2}{5} \times 2$?

8. If $12 \times \frac{3}{4}$ is the same as $\frac{3}{4}$ of 12, what is $9 \times \frac{2}{3}$?

9. Work out the following:

a. $10 \times \frac{3}{5}$

b. $14 \times \frac{6}{7}$

c. $20 \times \frac{9}{10}$

10. List different words that can be used to mean 'multiply'.



11. If $\frac{1}{6}$ of 5 is the same as $\frac{1}{6} \times 5$, what is $\frac{2}{7}$ of 3?

12. Work out the following:

a. $\frac{3}{13}$ of 4

b. $\frac{2}{7}$ of 2

c. $\frac{2}{11}$ of 4

13. Zoe is calculating $\frac{3}{4} \times ? = 12$.
She says the missing number is 9.
Is Zoe right?



Challenge

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

$$\boxed{}_{12} \text{ of } 36 = \boxed{} \times \frac{\boxed{}}{\boxed{}} = \boxed{}$$



You might want
to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer
1	$1,382 - 453$	929
2	$\frac{5}{8} - \frac{1}{8}$	$\frac{4}{8}$
3	$3.4 \div 10$	0.34
4	217×8	1,736
5	Explain 'commutativity'.	Commutativity means that a calculation (addition or multiplication) can have its order changed without changing the answer. For example, 4×3 and 3×4 both give the answer 12.
6	3 lots of $\frac{1}{7}$, $\frac{1}{7}$ of 3, $3 \times \frac{1}{7}$	a. $\frac{3}{7}$, b. $\frac{3}{7}$, c. $\frac{3}{7}$
7	How else could you write $\frac{2}{5} \times 2$?	$2 \times \frac{2}{5}$ OR $\frac{2}{5}$ of 2 OR 2 lots of $\frac{2}{5}$
8	If $12 \times \frac{3}{4}$ is the same as $\frac{3}{4}$ of 12, what is $9 \times \frac{2}{3}$?	6
9	$10 \times \frac{3}{5}$, $14 \times \frac{6}{7}$, $20 \times \frac{9}{10}$	a. 6, b. 12, c. 18
10	List different words that can be used to mean 'multiply'.	Some examples are: multiplication, times, lots of, product or product of, by or times by
11	If $\frac{1}{6}$ of 5 is the same as $\frac{1}{6} \times 5$, what is $\frac{2}{7}$ of 3?	$\frac{6}{7}$
12	$\frac{3}{13}$ of 4, $\frac{2}{7}$ of 2, $\frac{2}{11}$ of 4	a. $\frac{12}{13}$, b. $\frac{6}{7}$, c. $\frac{8}{11}$
13	Is Zoe right?	Zoe is incorrect. She has calculated $\frac{3}{4}$ of 12 instead of using the inverse to find the missing number. Pupils should be able to identify that Zoe is wrong, even if they do not calculate the correct answer as $\frac{3}{4}$ of 9 would be less than 9. The correct answer is 16.
14	How many ways can you complete this number sentence?	Answers should be correct based on the first part of the number sentence. For example, $\frac{1}{12}$ of 36 = $36 \times \frac{1}{12} = 3$