Independent Recap

Fractions

Year 3

Arithmetic

1. 60 ÷ 3

2. ? + 128 = 528

3. 8 x 6

4. 397 - 200

Practice: Fractions of an Amount (1)

5. Recap: How do I find a fraction of a set of objects?
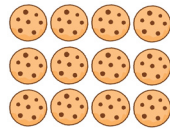
E.g. ¼ of 8

6. Find $\frac{1}{4}$ of the cupcakes.
I have divided the cupcakes into ? equal groups.
There are ? cupcakes in each group.
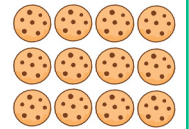$\frac{1}{4}$ of the cupcakes is ? cupcakes.

7. Find the given fractions of the cookies.

a. $\frac{1}{2}$ b. $\frac{1}{4}$

8. Find the given fractions of the cookies.

a. $\frac{1}{3}$ b. $\frac{1}{12}$

9. Find the given fraction of the strawberries.

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

10. Explain why it might be more challenging to find $\frac{1}{2}$ of an odd number.

11. There are 30 pens. $\frac{1}{10}$ of them are green. How many green pens are there?

12. Draw a bar model to help you solve.

a. $\frac{1}{5}$ of 15 =   b. $\frac{1}{4}$ of 28 =   c. $\frac{1}{3}$ of 24 =

13. Mai has 15 cherries. She is trying to find $\frac{1}{3}$ of the cherries. The picture shows how she has split her cherries.
Explain her mistake.

Challenge

14. Complete the number sentences.

$\frac{1}{2}$ of 20 = $\frac{1}{4}$ of ☐

$\frac{1}{5}$ of 30 = $\frac{1}{\square}$ of 36

$\frac{1}{\square}$ of 18 = $\frac{1}{3}$ of 27

💬 **You might want to talk to an adult**

🔍 **Spot the mistake**

Answers

Q no.	Question	Answer
1	60 ÷ 3	20
2	? + 128 = 528	400
3	8 x 6	48
4	397 - 200	197
5	How do I find a fraction of a set of objects?	To find a fraction of a set of objects/ amounts, first divide by the denominator then multiply by the numerator. For example, for $\frac{1}{4}$ of 8, first divide 8 objects into 4 groups (2) then count how many objects are in each group (1 group = 2 objects).
6	Find $\frac{1}{4}$ of the cupcakes.	I have divided the cupcakes into **4** equal groups. There are **4** cupcakes in each group. $\frac{1}{4}$ of the cupcakes is **4** cupcakes.
7	Find the given fractions of the cookies.	a. 6, b. 3
8	Find the given fractions of the cookies.	a. 4, b. 1
9	Find the given fraction of the strawberries.	a. 7, b. 3
10	Explain why it might be more challenging to find $\frac{1}{2}$ of an odd number.	Even numbers are divisible by 2 as they are all multiples of 2. Odd numbers will be slightly harder to find $\frac{1}{2}$ of as they are not multiples of 2.
11	How many green pens are there?	3
12	Draw a bar model to help you solve:	Answers should be accompanied by appropriate bar models. a. 3, b. 7, c. 8
13	Explain Mai's mistake.	Mai has not shared the cherries into three equal groups. By dividing the cherries unequally, Mai will not accurately find $\frac{1}{3}$ of the cherries.
14	Complete the number sentences.	40, 6, 2