

Independent Recap

Fractions

Year 3

Arithmetic

1. 10×4

2. $65 \div 5$

3. $764 + 671$

4. $811 - 432$

Practice: Fractions of an Amount (2)

5. Recap: What is the difference between a unit fraction and non-unit fraction?



6. Find $\frac{3}{4}$ of the cupcakes.
I have divided the cupcakes into ? equal groups.
There are ? cupcakes in each group.
 $\frac{3}{4}$ of the cupcakes are ? cupcakes.



7. Solve the calculations.

a. $\frac{4}{6}$ of 12 = b. $\frac{3}{4}$ of 12 =

8. Solve the calculations.

a. $\frac{2}{5}$ of 15 = b. $\frac{4}{5}$ of 15 =

9. Solve the calculations.

a. $\frac{2}{8}$ of 24 = b. $\frac{2}{3}$ of 24 =

10. Explain how to find a non-unit fraction of an amount.



11. There are 35 counters in a bag. $\frac{1}{5}$ of the counters are yellow. How many counters are yellow? How many counters are not yellow?

12. Draw a bar model to show:

a. $\frac{3}{5}$ of 15 = b. $\frac{3}{4}$ of 28 =
c. $\frac{2}{3}$ of 27 =

13. Tony says $\frac{4}{9}$ of 36 = 4



Why is this wrong?

Challenge

14. Year 3 are going on a trip. They have 2 coaches. Each coach can seat 40 people.

Coach A is $\frac{7}{10}$ full.

Coach B is $\frac{4}{5}$ full.

Which coach has the most people on it and by how many people?

Show your working pictorially.



You might want
to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer
1	10×4	40
2	$65 \div 5$	13
3	$764 + 671$	1,435
4	$811 - 432$	379
5	What is the difference between a unit fraction and non-unit fraction?	A unit fraction is a fraction where the numerator is 1. A non-unit fraction is a fraction with a numerator over 1.
6	Find $\frac{3}{4}$ of the cupcakes.	I have divided the cupcakes into 4 equal groups. There are 4 cupcakes in each group. $\frac{3}{4}$ of the cupcakes are 12 cupcakes.
7	Solve the calculations.	a. 8, b. 9
8	Solve the calculations.	a. 6, b. 12
9	Solve the calculations.	a. 6, b. 16
10	Explain how to find a non-unit fraction of an amount.	To find a fraction of a set of an amount, first divide by the denominator then multiply by the numerator. For example, $\frac{2}{5}$ of 15. $15 \text{ divided by } 5 = 3$ $3 \text{ multiplied by } 2 = 6$ $\frac{2}{5} \text{ of } 15 = 6$
11	How many counters are yellow? How many counters are not yellow?	7 yellow, 28 not yellow
12	Draw a bar model to show.	a. Bar model showing 5 even boxes containing 3 in each box. 3 boxes should be indicated showing 9 in total. b. Bar model showing 4 even boxes containing 7 in each box. 3 boxes should be indicated showing 21 in total. c. Bar model showing 3 even boxes containing 9 in each box. 2 boxes should be indicated showing 18 in total.
13	Why is Tony wrong?	Tony has only found $\frac{1}{9}$ of 36, not $\frac{4}{9}$. This is a common error as pupils may not fully understand how to find a non-unit fraction of an amount.
14	Which coach has the most people on it and by how many people?	Coach A - 28 people Coach B - 32 people Coach B has 4 more people than coach A.