Independent Recap

Fractions

Year 5

THIRD SPACE LEARNING

Arithmetic

1. 847 + 646

2. $\frac{11}{12} - \frac{3}{12}$

3. 0.2 x 1,000

4. 46 x 3

Practice: Fractions of Amounts

5. Recap: Explain how to find a fraction of an amount.

6. Find $\frac{1}{6}$ of 36 using a bar model.

xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx

7. Use this method to work out the following:

a. $\frac{1}{7}$ of 56 b. $\frac{1}{9}$ of 270 c. $\frac{1}{5}$ of 3.5

8. Find $\frac{2}{5}$ of 40 using a bar model.

xxxxxxxx	xxxxxxxx	xxxxxxxx	xxxxxxxx	xxxxxxxx

9. Use this method to work out the following:

a. $\frac{2}{9}$ of 45 b. $\frac{3}{11}$ of 990 c. $\frac{6}{7}$ of 4.2

10. Explain how to find fractions of amounts involving units of measure (such as $\frac{2}{5}$ of 1.5kg).

11. Work out the following:

a. $\frac{3}{5}$ of 1m b. $\frac{5}{6}$ of 2.4kg

12. What's the missing fraction?

☐ of 120 = 100

13. $\frac{2}{3}$ of 1.2m = 4m

Is this correct? Explain.

Challenge

14. Complete the sentences using <, > or =

$\frac{3}{5}$ of 75 ☐ $\frac{1}{2}$ of 80

$\frac{3}{7}$ of 49 ☐ $\frac{4}{6}$ of 48

$\frac{2}{8}$ of 40 ☐ $\frac{3}{4}$ of 20

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	847 + 646	1,493
2	$\frac{11}{12} - \frac{3}{12}$	$\frac{8}{12}$
3	0.2 x 1,000	200
4	46 x 3	138
5	Explain how to find a fraction of an amount.	To find a fraction of amounts, first divide by the denominator then multiply by the numerator. For example, to find $\frac{2}{6}$ of 12, first divide 12 by 6 = 2 then multiply 2 (answer) by 2 (numerator) = 4 $\frac{2}{6}$ of 12 = 4
6	Find $\frac{1}{6}$ of 36 using a bar model.	6
7	$\frac{1}{7}$ of 56, $\frac{1}{9}$ of 270, $\frac{1}{5}$ of 3.5	a. 8, b. 30, c. 0.7
8	Find $\frac{2}{5}$ of 40 using a bar model.	16
9	$\frac{2}{9}$ of 45, $\frac{3}{11}$ of 990, $\frac{6}{7}$ of 4.2	a. 10, b. 270, c. 3.6
10	Explain how to find fractions of amounts involving units of measure (such as $\frac{2}{5}$ of 1.5kg)	Where the unit of measure is difficult to calculate (it is a decimal or single digit), it is easiest to first convert the unit of measure. For example, with $\frac{2}{5}$ of 1.5kg, convert 1.5kg to 1,500g. This will make the calculation easier as 1,500g is easier to divide by 5 than 1.5kg.
11	$\frac{3}{5}$ of 1m $\frac{5}{6}$ of 2.4kg	a. 60cm, b. 2kg
12	? of 120 = 100	$\frac{5}{6}$
13	$\frac{2}{3}$ of 1.2m = 4m Is this correct? Explain.	The pupil has made two errors in this question. They have first mistaken 1.2m for 12m. They have then only found $\frac{1}{3}$ of 12m instead of $\frac{2}{3}$. The pupil should have identified that 4m is an unreasonable answer as it is larger than 1.2m. The correct answer should be 80cm or 0.8m.
14	Complete the sentences using <, > or =	> (45 > 40) < (21 < 32) < (10 < 15)