18.06.21

Lo: To find fractions of a quantity

Success Steps

A fraction is an equal part of an amount or a shape.
The numerator represents the fraction.
The denominator represents the whole.
Divide by the denominator
Times by the numerator
Use a bar model to help

Starter

True or false

26/12 = 1 and 2/12

18/5 = 3 and 3 fifths

9/4 = 1 and 4 ninths

Silent teacher

3/5 of 25

We do

5/8 of 32

Silent teacher

3/4 of 20

We do

4/9 of 27

I do

Use the correct sign < > =

2/3 of 18 _____ 3/4 of 12

We do

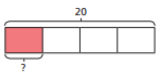
Use the correct sign < > =

8/6 of 36 _____ 5/10 of 60

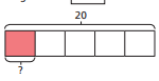
You do

1 Complete the number sentences.

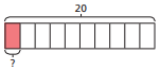
a) $\frac{1}{4}$ of 20 = ☐



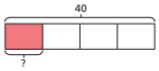
b) $\frac{1}{5}$ of 20 = ☐



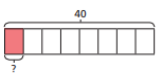
c) $\frac{1}{10}$ of 20 = ☐



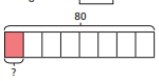
d) $\frac{1}{4}$ of 40 = ☐



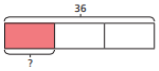
e) $\frac{1}{8}$ of 40 = ☐



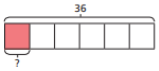
f) $\frac{1}{8}$ of 80 = ☐



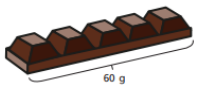
g) $\frac{1}{3}$ of 36 = ☐



h) $\frac{1}{6}$ of 36 = ☐



2 Filip has a chocolate bar with 5 equal pieces.
The chocolate bar weighs 60 g.



a) What is the mass of one piece?

b) Filip eats $\frac{3}{5}$ of the bar of chocolate.
How many grams does Filip eat?

3 Complete the number sentences.

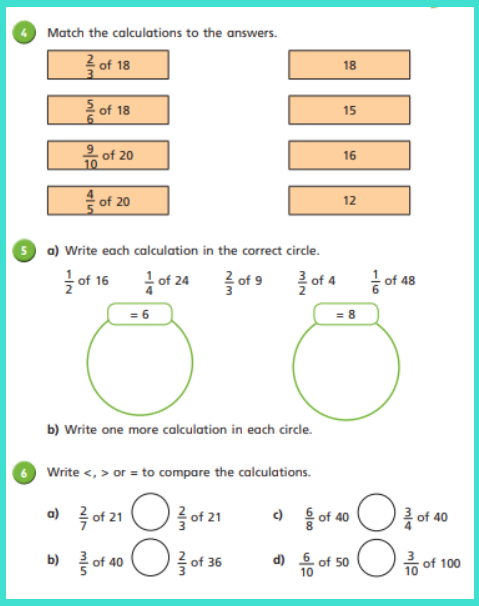
a) $\frac{1}{4}$ of 24 = ☐
$\frac{3}{4}$ of 24 = ☐

b) $\frac{1}{7}$ of 35 = ☐
$\frac{3}{7}$ of 35 = ☐
$\frac{5}{7}$ of 35 = ☐

c) $\frac{1}{8}$ of 32 = ☐
$\frac{5}{8}$ of 32 = ☐

d) $\frac{5}{8}$ of 64 = ☐
$\frac{7}{8}$ of 64 = ☐
$\frac{10}{8}$ of 64 = ☐

You do



4 Match the calculations to the answers.

$\frac{2}{3}$ of 18	18
$\frac{5}{6}$ of 18	15
$\frac{9}{10}$ of 20	16
$\frac{4}{5}$ of 20	12

5 a) Write each calculation in the correct circle.

$\frac{1}{2}$ of 16 $\frac{1}{4}$ of 24 $\frac{2}{3}$ of 9 $\frac{3}{2}$ of 4 $\frac{1}{6}$ of 48

= 6 = 8

b) Write one more calculation in each circle.

6 Write <, > or = to compare the calculations.

a) $\frac{2}{7}$ of 21 ◯ $\frac{2}{3}$ of 21

b) $\frac{3}{5}$ of 40 ◯ $\frac{2}{3}$ of 36

c) $\frac{6}{8}$ of 40 ◯ $\frac{3}{4}$ of 40

d) $\frac{6}{10}$ of 50 ◯ $\frac{3}{10}$ of 100