

Hello Year 4s – For maths today, please go to <https://whiterosemaths.com/homelearning/year-4/> Summer Term - Week 6 – Lesson 4 and watch the video ‘Fractions of a quantity’ and complete the worksheet and challenge below (answers at the end). Then follow the link to Year 4 on BBC Bitesize <https://www.bbc.co.uk/bitesize/dailylessons> for related activities.

Fractions of a quantity



1 Complete the number sentences.

a) $\frac{1}{4}$ of 20 =



d) $\frac{1}{4}$ of 40 =



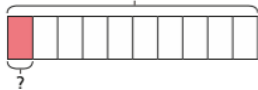
b) $\frac{1}{5}$ of 20 =



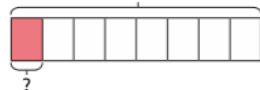
e) $\frac{1}{8}$ of 40 =



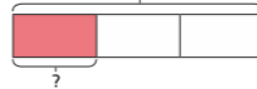
c) $\frac{1}{10}$ of 20 =



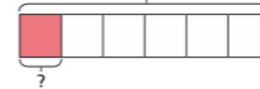
f) $\frac{1}{8}$ of 80 =



g) $\frac{1}{3}$ of 36 =



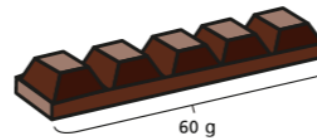
h) $\frac{1}{6}$ of 36 =



Don't forget to check for challenges set on Sumdog too.



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



a) What is the mass of one piece?

The mass of one piece is g.

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

Filip eats g of chocolate.

3 Complete the number sentences.

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

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

$\frac{3}{4}$ of 24 =

$\frac{5}{8}$ of 32 =

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

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

$\frac{3}{7}$ of 35 =

$\frac{7}{8}$ of 64 =

$\frac{5}{7}$ of 35 =

$\frac{10}{8}$ of 64 =

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

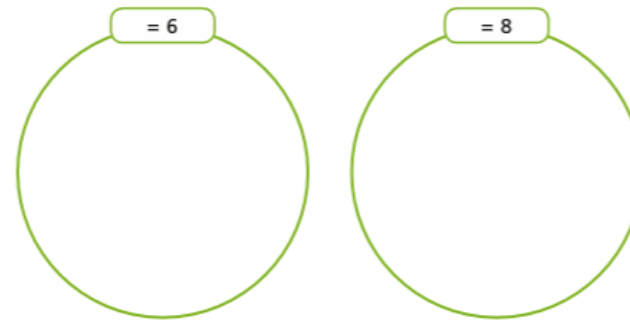
$\frac{4}{5}$ of 20

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



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

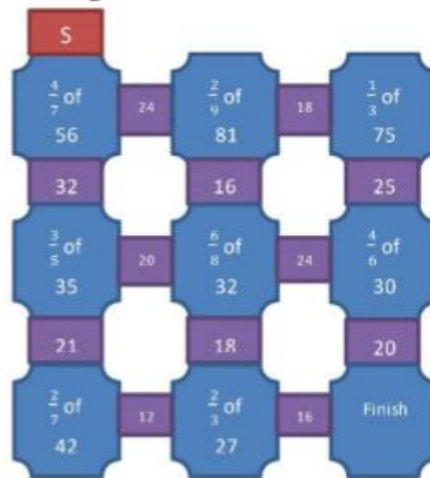
b) $\frac{3}{5}$ of 40 $\frac{2}{3}$ of 36

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

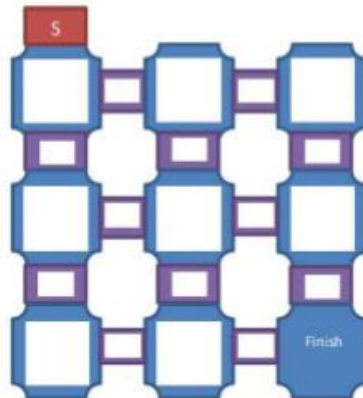
d) $\frac{6}{10}$ of 50 $\frac{3}{10}$ of 100

Challenge

Work out the answer to each question to make it through the maze.



Can you create your own version?



Fractions of a quantity



1 Complete the number sentences.

a) $\frac{1}{4}$ of 20 =

b) $\frac{1}{5}$ of 20 =

c) $\frac{1}{4}$ of 40 =

d) $\frac{1}{8}$ of 40 =

e) $\frac{1}{3}$ of 60 =

f) $\frac{1}{3}$ of 90 =

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? The mass of one piece is g.

b) Filip eats $\frac{2}{5}$ of the bar of chocolate. How many grams does Filip eat?

Filip eats g of chocolate.

3 Complete the number sentences.

a) $\frac{1}{4}$ of 24 = $\frac{1}{8}$ of 32 = $\frac{5}{8}$ of 32 =

b) $\frac{3}{4}$ of 24 = $\frac{2}{5}$ of 64 = $\frac{7}{8}$ of 64 = $\frac{10}{10}$ of 64 =

c) $\frac{1}{3}$ of 36 = $\frac{3}{5}$ of 35 = $\frac{9}{10}$ of 64 =

4 Write each calculation in the correct circle.

a) $\frac{1}{2}$ of 16 $\frac{1}{4}$ of 24 $\frac{2}{3}$ of 9 $\frac{3}{4}$ of 4 $\frac{1}{6}$ of 60

b) Write one more calculation in each circle.

5 Match the calculations to the answers.

$\frac{2}{3}$ of 18	$\frac{2}{5}$ of 18	$\frac{2}{10}$ of 20	$\frac{4}{5}$ of 20
<input type="text" value="12"/>	<input type="text" value="7.2"/>	<input type="text" value="4"/>	<input type="text" value="16"/>
<input type="text" value="12"/>	<input type="text" value="7.2"/>	<input type="text" value="4"/>	<input type="text" value="16"/>
<input type="text" value="12"/>	<input type="text" value="7.2"/>	<input type="text" value="4"/>	<input type="text" value="16"/>
<input type="text" value="12"/>	<input type="text" value="7.2"/>	<input type="text" value="4"/>	<input type="text" value="16"/>

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

a) $\frac{7}{2}$ 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

Answers

