

Home Learning Term 2

Complete one home learning task each week and upload to Google Classroom.

Geography – Comparing Lifestyles
Compare life in modern Maya to life in Dartford. Which would you prefer to live in? Why?



Science – Investigating Materials

- Find 10 objects around the house, make a list and describe each of their properties. Identify why they are used for that job. How could you classify these objects? Perhaps you could use a Venn diagram to do this.
- Go on Quizshed (Ed Shed) <https://www.quizshed.com/en-us/browse/QYUXCKG> and have a go at the Year 5 Science Quiz on Properties and Changes of Materials.

English – Letter writing or Newspaper article.

- Pretend you are an explorer who has just discovered a new tomb! Write a letter home to your family about your discovery.
- Write a newspaper article announcing that a new Mayan pyramid has been discovered.



Maths – Mayan Maths

The Mayans used a base 20 number system. Can you research and write the numbers 1- 20 in Mayan numbers?

0	1	2	3	4
5	6	7	8	9
10	11	12	13	14
15	16	17	18	19

Challenge – can you create some number sentences for your peers to answer using the Mayan numbers? Post these on the stream of your class Google Classroom.

Maths and Spelling

- Ed Shed - <https://www.edshed.com/en-gb/login/school>
Have a go at the activities under Autumn 2 – can you work on the topic we are learning in class? Have a go at the silent letter words.
- TTRS - <https://play.ttrockstars.com/auth/school/student/31618>
Can you improve your speed? Can you get to Rock Hero?
- Maths – please find attached a range of fraction tasks.

History – The Mayans

- Find out about significant men and women of the Mayan civilization – create a biography about their lives. This could be as a leaflet or PowerPoint, or any way you wish.
- The Mayans loved to play ball games – research the different types of games that the Maya liked to play. Present this as you wish.



Computing

- Design your own video game about Mayan civilisation using Scratch.
- Create a scene on Roblox or Minecraft to show Mayan civilisation.
- El Castillo is a temple in the Maya city of Chichen Itza – can you make your own version of El Castillo? You could create this on Roblox or Minecraft or any other way you wish.



Mindfulness – Drawing Music

Use the link - <https://annakaharris.com/mindfulness-for-children/> - listen to the music (you can choose which one) and think about what feelings, colours, emotions, shapes come to mind.

While you listen to the music again, try and draw how that music makes you feel and write a sentence on how the music made you feel and how you expressed this in your picture.



Excellent Equivalents

I can identify equivalent fractions.

Multiply the numerators and denominators by the same number to write equivalent fractions:

$\frac{1}{2}$	=	
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$\frac{1}{3}$	=	
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$\frac{1}{4}$	=	
---------------	---	--

$\frac{2}{3}$	=	
---------------	---	--

$\frac{3}{4}$	=	
---------------	---	--

$\frac{1}{5}$	=	
---------------	---	--

$\frac{1}{6}$	=	
---------------	---	--

$\frac{1}{10}$	=	
----------------	---	--

$\frac{3}{5}$	=	
---------------	---	--

$\frac{5}{6}$	=	
---------------	---	--

$\frac{7}{10}$	=	
----------------	---	--

$\frac{3}{10}$	=	
----------------	---	--



Excellent Equivalents

I can identify equivalent fractions.



Multiply the numerators and denominators by the same number to write equivalent fractions:

$\frac{1}{2}$	=		=	
---------------	---	--	---	--

$\frac{1}{3}$	=		=	
---------------	---	--	---	--

$\frac{1}{4}$	=		=	
---------------	---	--	---	--

$\frac{2}{3}$	=		=	
---------------	---	--	---	--

$\frac{3}{4}$	=		=	
---------------	---	--	---	--

$\frac{1}{5}$	=		=	
---------------	---	--	---	--

$\frac{1}{6}$	=		=	
---------------	---	--	---	--

$\frac{1}{10}$	=		=	
----------------	---	--	---	--

$\frac{3}{5}$	=		=	
---------------	---	--	---	--

$\frac{5}{6}$	=		=	
---------------	---	--	---	--

$\frac{7}{10}$	=		=	
----------------	---	--	---	--

$\frac{3}{10}$	=		=	
----------------	---	--	---	--

Excellent Equivalents

I can identify equivalent fractions.

Multiply the numerators and denominators by the same number to write equivalent fractions:

$\frac{1}{2}$	=		=	
---------------	---	--	---	--

$\frac{1}{3}$	=		=	
---------------	---	--	---	--

$\frac{1}{4}$	=		=	
---------------	---	--	---	--

$\frac{2}{3}$	=		=	
---------------	---	--	---	--

$\frac{3}{4}$	=		=	
---------------	---	--	---	--

$\frac{1}{5}$	=		=	
---------------	---	--	---	--

$\frac{5}{30}$	=		=	
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$\frac{10}{100}$	=		=	
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$\frac{24}{40}$	=		=	
-----------------	---	--	---	--

$\frac{35}{42}$	=		=	
-----------------	---	--	---	--

$\frac{63}{90}$	=		=	
-----------------	---	--	---	--

$\frac{21}{70}$	=		=	
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This is an open-ended task where there are many possible correct answers.



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This is an open-ended task where there are many possible correct answers.



Comparing and Ordering Fractions

I can compare and order fractions with denominators that are all multiples of the same number.



Choose pairs of these fractions to compare using the less than < or greater than > symbols.

$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{7}{8}$
---------------	---------------	---------------	---------------	---------------	---------------

$$\frac{1}{2}$$

<

$$\frac{3}{4}$$

$$\frac{\square}{\square}$$

<

$$\frac{\square}{\square}$$

$$\frac{\square}{\square}$$

<

$$\frac{\square}{\square}$$

$$\frac{\square}{\square}$$

<

$$\frac{\square}{\square}$$

$$\frac{\square}{\square}$$

<

$$\frac{\square}{\square}$$

$$\frac{\square}{\square}$$

<

$$\frac{\square}{\square}$$

Put these groups of fractions in order from smallest to largest.

$\frac{2}{3}$	$\frac{1}{3}$	$\frac{5}{6}$	$\frac{3}{6}$	$\frac{9}{12}$	$\frac{2}{12}$
---------------	---------------	---------------	---------------	----------------	----------------

Smallest					Largest
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$\frac{4}{5}$	$\frac{1}{5}$	$\frac{6}{10}$	$\frac{3}{10}$	$\frac{7}{20}$	$\frac{15}{20}$
---------------	---------------	----------------	----------------	----------------	-----------------

Smallest					Largest
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Comparing and Ordering Fractions

Answers

I can compare and order fractions with denominators that are all multiples of the same number.



Possible comparison statements could be:

$\frac{1}{2}$ or $\frac{4}{8} > \frac{1}{4}$ or $\frac{2}{8}$		$\frac{1}{4}$ or $\frac{2}{8} < \frac{1}{2}$ or $\frac{4}{8}$		$\frac{3}{4}$ or $\frac{6}{8} > \frac{1}{2}$ or $\frac{4}{8}$	
$\frac{1}{2}$ or $\frac{4}{8} < \frac{3}{4}$ or $\frac{6}{8}$		$\frac{1}{4}$ or $\frac{2}{8} < \frac{3}{4}$ or $\frac{6}{8}$		$\frac{3}{4}$ or $\frac{6}{8} > \frac{1}{4}$ or $\frac{2}{8}$	
$\frac{3}{8} < \frac{1}{2}$ or $\frac{4}{8}$	$\frac{5}{8} > \frac{1}{2}$ or $\frac{4}{8}$	$\frac{7}{8} > \frac{1}{2}$ or $\frac{4}{8}$	$\frac{3}{8} > \frac{1}{4}$ or $\frac{2}{8}$	$\frac{5}{8} > \frac{1}{4}$ or $\frac{2}{8}$	
$\frac{7}{8} > \frac{1}{4}$ or $\frac{2}{8}$	$\frac{3}{8} < \frac{3}{4}$ or $\frac{6}{8}$	$\frac{5}{8} < \frac{3}{4}$ or $\frac{6}{8}$	$\frac{7}{8} > \frac{3}{4}$ or $\frac{6}{8}$	$\frac{1}{2}$ or $\frac{4}{8} > \frac{3}{8}$	
$\frac{1}{4}$ or $\frac{2}{8} < \frac{3}{8}$	$\frac{3}{4}$ or $\frac{6}{8} > \frac{3}{8}$	$\frac{1}{2}$ or $\frac{4}{8} < \frac{5}{8}$	$\frac{1}{4}$ or $\frac{2}{8} < \frac{5}{8}$	$\frac{3}{4}$ or $\frac{6}{8} > \frac{5}{8}$	
$\frac{1}{2}$ or $\frac{4}{8} < \frac{7}{8}$	$\frac{1}{4}$ or $\frac{2}{8} < \frac{7}{8}$	$\frac{3}{4}$ or $\frac{6}{8} < \frac{7}{8}$	$\frac{3}{8} < \frac{5}{8}$	$\frac{5}{8} > \frac{3}{8}$	
$\frac{7}{8} > \frac{3}{8}$	$\frac{3}{8} < \frac{7}{8}$	$\frac{5}{8} < \frac{7}{8}$	$\frac{7}{8} > \frac{5}{8}$		

The correct order of the groups of fractions are:

$\frac{2}{12}$	$\frac{1}{3}$ or $\frac{4}{12}$	$\frac{3}{6}$ or $\frac{6}{12}$	$\frac{2}{3}$ or $\frac{8}{12}$	$\frac{9}{12}$	$\frac{5}{6}$ or $\frac{10}{12}$
$\frac{1}{5}$ or $\frac{4}{20}$	$\frac{3}{10}$ or $\frac{6}{20}$	$\frac{7}{20}$	$\frac{6}{10}$ or $\frac{12}{20}$	$\frac{15}{20}$	$\frac{4}{5}$ or $\frac{16}{20}$



Comparing and Ordering Fractions

I can compare and order fractions with denominators that are all multiples of the same number.



Choose pairs of these fractions to compare using the less than < or greater than > symbols.

$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{8}$	$\frac{5}{16}$	$\frac{7}{16}$
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$\frac{1}{2} < \frac{3}{4}$	$\frac{\square}{\square} \square \frac{\square}{\square}$	$\frac{\square}{\square} \square \frac{\square}{\square}$
$\frac{\square}{\square} \square \frac{\square}{\square}$	$\frac{\square}{\square} \square \frac{\square}{\square}$	$\frac{\square}{\square} \square \frac{\square}{\square}$

Put these groups of fractions in order from smallest to largest.

$\frac{2}{3}$	$\frac{1}{6}$	$\frac{5}{6}$	$\frac{3}{12}$	$\frac{9}{12}$	$\frac{2}{24}$
Smallest					Largest

$\frac{4}{5}$	$\frac{1}{10}$	$\frac{6}{10}$	$\frac{3}{20}$	$\frac{8}{20}$	$\frac{15}{40}$
Smallest					Largest



Comparing and Ordering Fractions

Answers

I can compare and order fractions with denominators that are all multiples of the same number.



Possible comparison statements could be:

$\frac{1}{2}$ or $\frac{8}{16} > \frac{1}{4}$ or $\frac{4}{16}$		$\frac{1}{2}$ or $\frac{8}{16} > \frac{3}{8}$ or $\frac{6}{16}$		$\frac{1}{2}$ or $\frac{8}{16} > \frac{1}{8}$ or $\frac{2}{16}$	
$\frac{1}{4}$ or $\frac{4}{16} < \frac{1}{2}$ or $\frac{8}{16}$		$\frac{1}{4}$ or $\frac{4}{16} < \frac{3}{8}$ or $\frac{6}{16}$		$\frac{1}{4}$ or $\frac{4}{16} > \frac{1}{8}$ or $\frac{2}{16}$	
$\frac{3}{8}$ or $\frac{6}{16} < \frac{1}{2}$ or $\frac{8}{16}$		$\frac{3}{8}$ or $\frac{6}{16} > \frac{1}{4}$ or $\frac{4}{16}$		$\frac{3}{8}$ or $\frac{6}{16} > \frac{1}{8}$ or $\frac{2}{16}$	
$\frac{1}{8}$ or $\frac{2}{16} < \frac{1}{2}$ or $\frac{8}{16}$		$\frac{1}{8}$ or $\frac{2}{16} < \frac{1}{4}$ or $\frac{4}{16}$		$\frac{1}{8}$ or $\frac{2}{16} < \frac{3}{8}$ or $\frac{6}{16}$	
$\frac{5}{16} < \frac{1}{2}$ or $\frac{8}{16}$	$\frac{7}{16} < \frac{1}{2}$ or $\frac{8}{16}$	$\frac{5}{16} > \frac{1}{4}$ or $\frac{4}{16}$	$\frac{7}{16} > \frac{1}{4}$ or $\frac{4}{16}$	$\frac{5}{16} < \frac{3}{8}$ or $\frac{6}{16}$	
$\frac{7}{16} > \frac{3}{8}$ or $\frac{6}{16}$	$\frac{5}{16} > \frac{1}{8}$ or $\frac{2}{16}$	$\frac{7}{16} > \frac{1}{8}$ or $\frac{2}{16}$	$\frac{1}{2}$ or $\frac{8}{16} > \frac{5}{16}$	$\frac{1}{4}$ or $\frac{4}{16} < \frac{5}{16}$	
$\frac{3}{8}$ or $\frac{6}{16} > \frac{5}{16}$	$\frac{1}{8}$ or $\frac{2}{16} < \frac{5}{16}$	$\frac{1}{2}$ or $\frac{8}{16} > \frac{7}{16}$	$\frac{1}{4}$ or $\frac{4}{16} < \frac{7}{16}$	$\frac{3}{8}$ or $\frac{6}{16} < \frac{7}{16}$	
$\frac{1}{8}$ or $\frac{2}{16} < \frac{7}{16}$	$\frac{5}{16} < \frac{7}{16}$	$\frac{7}{16} > \frac{5}{16}$			

The correct order of the groups of fractions are:

$\frac{2}{24}$	$\frac{1}{6}$ or $\frac{4}{24}$	$\frac{3}{12}$ or $\frac{6}{24}$	$\frac{2}{3}$ or $\frac{16}{24}$	$\frac{18}{24}$	$\frac{5}{6}$ or $\frac{20}{24}$
$\frac{1}{10}$ or $\frac{4}{40}$	$\frac{3}{20}$ or $\frac{6}{40}$	$\frac{15}{40}$	$\frac{8}{20}$ or $\frac{16}{40}$	$\frac{6}{10}$ or $\frac{24}{40}$	$\frac{4}{5}$ or $\frac{32}{40}$



Comparing and Ordering Fractions

I can compare and order fractions with denominators that are all multiples of the same number.



Choose pairs of these fractions to compare using the less than < or greater than > symbols.

$\frac{3}{4}$	$\frac{3}{8}$	$\frac{10}{16}$	$\frac{8}{16}$	$\frac{5}{32}$	$\frac{7}{64}$
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$$\frac{3}{8} < \frac{3}{4}$$

$$\frac{\square}{\square} \square \frac{\square}{\square}$$

$$\frac{\square}{\square} \square \frac{\square}{\square}$$

$$\frac{\square}{\square} \square \frac{\square}{\square}$$

$$\frac{\square}{\square} \square \frac{\square}{\square}$$

$$\frac{\square}{\square} \square \frac{\square}{\square}$$

Put these groups of fractions in order from smallest to largest.

$\frac{2}{3}$	$\frac{1}{6}$	$\frac{5}{12}$	$\frac{3}{12}$	$\frac{9}{24}$	$\frac{2}{48}$
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Smallest					Largest
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$\frac{4}{5}$	$\frac{1}{10}$	$\frac{6}{20}$	$\frac{3}{40}$	$\frac{8}{40}$	$\frac{15}{80}$
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Smallest					Largest
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Comparing and Ordering Fractions

Answers

I can compare and order fractions with denominators that are all multiples of the same number.



Possible comparison statements could be:

$\frac{7}{64} < \frac{3}{4} \text{ or } \frac{48}{64}$	$\frac{7}{64} < \frac{3}{8} \text{ or } \frac{24}{64}$	$\frac{7}{64} < \frac{10}{16} \text{ or } \frac{40}{64}$	$\frac{7}{64} < \frac{8}{16} \text{ or } \frac{32}{64}$	$\frac{7}{64} < \frac{5}{32} \text{ or } \frac{10}{64}$
$\frac{3}{4} \text{ or } \frac{48}{64} > \frac{7}{64}$	$\frac{3}{8} \text{ or } \frac{24}{64} > \frac{7}{64}$	$\frac{10}{16} \text{ or } \frac{40}{64} > \frac{7}{64}$	$\frac{8}{16} \text{ or } \frac{32}{64} > \frac{7}{64}$	$\frac{5}{32} \text{ or } \frac{10}{64} < \frac{7}{64}$
$\frac{3}{4} \text{ or } \frac{48}{64} > \frac{3}{8} \text{ or } \frac{24}{64}$	$\frac{3}{8} \text{ or } \frac{24}{64} < \frac{3}{4} \text{ or } \frac{48}{64}$	$\frac{10}{16} \text{ or } \frac{40}{64} < \frac{3}{4} \text{ or } \frac{48}{64}$		
$\frac{8}{16} \text{ or } \frac{32}{64} < \frac{3}{4} \text{ or } \frac{48}{64}$	$\frac{5}{32} \text{ or } \frac{10}{64} < \frac{3}{4} \text{ or } \frac{48}{64}$	$\frac{3}{4} \text{ or } \frac{48}{64} > \frac{10}{16} \text{ or } \frac{40}{64}$		
$\frac{3}{8} \text{ or } \frac{24}{64} < \frac{10}{16} \text{ or } \frac{40}{64}$	$\frac{10}{16} \text{ or } \frac{40}{64} > \frac{3}{8} \text{ or } \frac{24}{64}$	$\frac{8}{16} \text{ or } \frac{32}{64} > \frac{3}{8} \text{ or } \frac{24}{64}$		
$\frac{5}{32} \text{ or } \frac{10}{64} < \frac{3}{8} \text{ or } \frac{24}{64}$	$\frac{3}{4} \text{ or } \frac{48}{64} > \frac{8}{16} \text{ or } \frac{32}{64}$	$\frac{3}{8} \text{ or } \frac{24}{64} < \frac{8}{16} \text{ or } \frac{32}{64}$		
$\frac{10}{16} \text{ or } \frac{40}{64} > \frac{8}{16} \text{ or } \frac{32}{64}$	$\frac{8}{16} \text{ or } \frac{32}{64} < \frac{10}{16} \text{ or } \frac{40}{64}$	$\frac{5}{32} \text{ or } \frac{10}{64} < \frac{10}{16} \text{ or } \frac{40}{64}$		
$\frac{3}{4} \text{ or } \frac{48}{64} > \frac{5}{32} \text{ or } \frac{10}{64}$	$\frac{3}{8} \text{ or } \frac{24}{64} > \frac{5}{32} \text{ or } \frac{10}{64}$	$\frac{10}{16} \text{ or } \frac{40}{64} > \frac{5}{32} \text{ or } \frac{10}{64}$		
$\frac{8}{16} \text{ or } \frac{32}{64} > \frac{5}{32} \text{ or } \frac{10}{64}$	$\frac{5}{32} \text{ or } \frac{10}{64} < \frac{8}{16} \text{ or } \frac{32}{64}$			

The correct order of the groups of fractions are:

$\frac{2}{48}$	$\frac{1}{6} \text{ or } \frac{8}{48}$	$\frac{3}{12} \text{ or } \frac{12}{48}$	$\frac{9}{24} \text{ or } \frac{18}{48}$	$\frac{5}{12} \text{ or } \frac{20}{48}$	$\frac{2}{3} \text{ or } \frac{32}{48}$
$\frac{3}{40} \text{ or } \frac{6}{80}$	$\frac{1}{10} \text{ or } \frac{8}{80}$	$\frac{15}{80}$	$\frac{8}{40} \text{ or } \frac{16}{80}$	$\frac{6}{20} \text{ or } \frac{24}{80}$	$\frac{4}{5} \text{ or } \frac{64}{80}$