

Good morning Year 3
Practice spellings for the spelling test.

grate	plane
great	peace
grown	piece
groan	rain
plain	reign

Extra: Write into
sentences

1.3.21

In maths, I am learning to compare fractions

Can I compare fractions using pictures?



$$\frac{1}{2} > \frac{1}{3}$$

Today we are comparing fractions.

Which fraction is larger?

$$\frac{1}{2} \text{ or } \frac{1}{3} ?$$

$$\frac{1}{4}$$




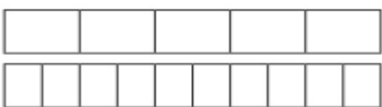




$$\frac{1}{5}$$

$$\frac{1}{6}$$

Can we prove it with a picture?



> < =

 $\frac{2}{5}$ <input type="text"/> $\frac{6}{15}$	 $\frac{2}{3}$ <input type="text"/> $\frac{10}{12}$
 $\frac{2}{3}$ <input type="text"/> $\frac{3}{6}$	 $\frac{3}{5}$ <input type="text"/> $\frac{4}{10}$
 $\frac{1}{4}$ <input type="text"/> $\frac{3}{12}$	 <input type="text"/> <input type="text"/> <input type="text"/>
 <input type="text"/> <input type="text"/> <input type="text"/>	 <input type="text"/> <input type="text"/> <input type="text"/>

Fill in
the fractions
and use
< > and =
to compare.

=
> < =

Compare and order the fractions

Use the symbols <, = or > to complete the following:

$$\frac{3}{5} \quad \boxed{} \quad \frac{12}{15} \qquad \frac{2}{8} \quad \boxed{} \quad \frac{4}{16}$$

$$\frac{2}{3} \quad \boxed{} \quad \frac{4}{9} \qquad \frac{2}{7} \quad \boxed{} \quad \frac{14}{21}$$

$$\frac{1}{4} \quad \boxed{} \quad \frac{4}{16} \qquad \frac{2}{5} \quad \boxed{} \quad \frac{6}{20}$$

Draw lines to match the fractions with their equivalent partners:

$$\frac{2}{6} \qquad \frac{16}{20}$$

$$\frac{3}{8} \qquad \frac{5}{15}$$

$$\frac{4}{5} \qquad \frac{6}{18}$$

$$\frac{2}{3} \qquad \frac{10}{15}$$

$$\frac{1}{3} \qquad \frac{9}{24}$$

Order these fractions from smallest to largest:

$$\frac{2}{5} \qquad \frac{6}{10} \qquad \frac{4}{5} \qquad \frac{1}{5} \qquad \frac{10}{20}$$

Extra challenges



I know that $\frac{1}{3}$ is larger than $\frac{1}{2}$ because 3 is larger than 2

Do you agree with Dora?
Explain how you know.



Complete the missing denominator.
How many different options can you find?

$$\frac{1}{2} > \frac{1}{\boxed{}} > \frac{1}{10}$$

Here are three fractions.

$$\frac{3}{8} \quad \frac{3}{5} \quad \frac{1}{8}$$

Which fraction is the largest? How do you know?

Which fraction is the smallest? How do you know?

2.3.21

In maths, I am learning to order fractions



Can I order fractions with the same and different denominators?

Today we are ordering fractions.

Which fraction is larger?

$$\frac{1}{4} \quad \text{or} \quad \frac{3}{4} \quad ?$$

Prove it

$$\frac{1}{8} \quad \frac{3}{8} \quad \frac{5}{8} \quad \frac{7}{8}$$

Order the following fractions

$$\frac{3}{8}$$

$$\frac{7}{8} \quad \checkmark$$

$$\frac{1}{8} \quad \checkmark$$

$$\frac{5}{8}$$



$$\frac{1}{3}$$

$$\frac{1}{5}$$

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

$$\frac{1}{7}$$



$$\frac{1}{7}$$

$$\frac{1}{5}$$

$$\frac{1}{3}$$

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

What about ordering fractions with different denominators.

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



Order

$$\frac{2}{4}$$

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

$$\frac{1}{4}$$

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

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

$$\frac{1}{4}$$

$$\frac{2}{4}$$

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

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

Can we use what we know about equivalent fractions to solve this?

Order these fractions from the smallest.

$$\frac{7}{9} \quad \frac{3}{9} \quad \frac{9}{9} \quad \frac{1}{9} \quad \frac{4}{9}$$

$\frac{1}{9}$

Order these fractions from the biggest.

$$\frac{4}{4} \quad \frac{1}{2} \quad \frac{2}{3} \quad \frac{2}{4}$$

$\frac{4}{4}$

Colour the boxes according to its fraction. Which fraction is smallest?

$$\frac{6}{6}$$

$$\frac{4}{6}$$

_____ is the
smallest fraction.

$$\frac{2}{7}$$



$$\frac{5}{7}$$



_____ is the
smallest fraction.

Order
the fractions

Order these fractions from the smallest.

$\frac{9}{18}$ $\frac{1}{9}$ $\frac{5}{9}$ $\frac{7}{9}$ $\frac{8}{9}$ $\frac{3}{9}$

$\div 2$ $\times 3$

Order these fractions from the biggest.

$\frac{4}{15}$ $\frac{9}{15}$ $\frac{1}{5}$ $\frac{4}{5}$ $\frac{11}{15}$

Colour the boxes according to its fraction. Which fraction is greater?

$\frac{7}{12}$

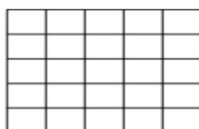


$\frac{3}{4}$



_____ is the greater fraction.

$\frac{17}{25}$



$\frac{4}{5}$



_____ is the greater fraction.

Shade in the fractions and state which is greater.

Extra challenges



When the denominators are the same, the larger the numerator, the smaller the fraction.

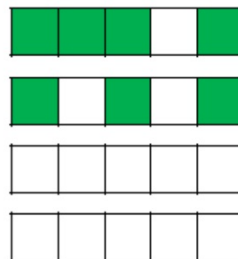
Is Jack correct?
Prove it.

Shade the blank diagrams so the fractions are ordered correctly.

Fractions in ascending order



Fractions in descending order



4.3.21

In maths, I am learning to count in fractions

Can I count in fractions including using mixed numbers?

Count in fractions

Today we are going to count up and down in fractions.

$$\frac{1}{4}$$


$$\frac{2}{4}$$


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


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

1

$$\frac{5}{4}$$

1 $\frac{1}{4}$

$$\frac{6}{4}$$

1 $\frac{2}{4}$

We are going to learn how to count up in fractions in two different ways.

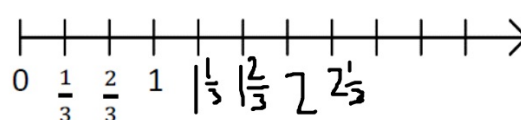
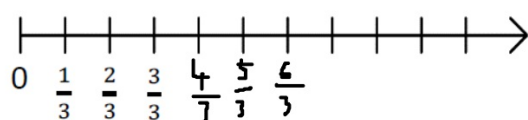


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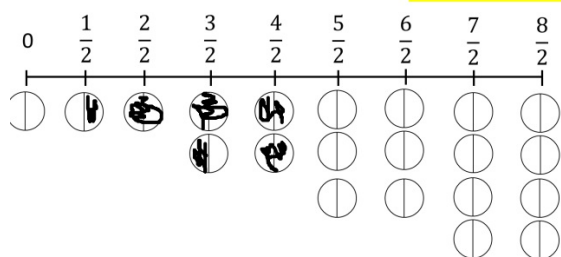


Complete each number line.

What's the same, what's different?



Shade the correct number of parts for each fraction.



	Improper Fraction		Mixed Number
a)	$\frac{15}{4}$		$3\frac{3}{4}$
b)	$\frac{7}{2}$		_____
c)	_____		_____
d)	_____		_____
e)	_____		_____
f)	_____		_____

Extra challenges

Look at this pattern.



What would come next?

Write the next fraction and draw the representation.

What would be the 8th fraction in the pattern?

Alex and Whitney are counting in quarters.



Alex

One quarter, two quarters, three quarters, four quarters...

One quarter, one half, three quarters, one whole...



Whitney

Who is correct? Explain your answer.

5.3.21

TESTBASE

Using and applying arithmetic and reasoning
mathematical skills in test situations.

Arithmetic test

Today we will be testing our arithmetic skills.

Year 3
Mathematics
Arithmetic: Test 6

Name: _____
Date: _____

\oplus \ominus \otimes \div

1 $719 + 100 =$

$$\begin{array}{r} 719 \\ + 100 \\ \hline \end{array}$$

2 $582 - 100 =$

3 $73 + 50 =$

4 $715 - 30 =$

$$\begin{array}{r} 715 \\ - 30 \\ \hline \end{array}$$

5 $659 + 300 =$

6 $249 - 200 =$

7	$183 + 638 =$
---	---------------

10	$96 \div 8 =$
----	---------------



13	$84 \div 4 =$
----	---------------



8	$701 - 456 =$
---	---------------

A 10x10 grid with a rectangle drawn in the bottom right corner. The rectangle is 4 units wide and 2 units high, starting from the 6th column and 8th row, and ending at the 10th column and 10th row.

11	$33 \times 6 =$
----	-----------------

14	$\frac{1}{8} + \frac{5}{8} =$
----	-------------------------------

9	$4 \times 8 =$
---	----------------

5 ma

12	$88 \times 5 =$
----	-----------------

15	$\frac{3}{4} - \frac{1}{4} =$
----	-------------------------------

1

$719 + 100 =$

[illegible]

1 mark

2

$582 - 100 =$

A 10x10 grid is shown. A rectangle is drawn in the bottom right corner, spanning from column 6 to column 10 and row 6 to row 10.

1 mark

3

$73 + 50 =$

A 10x10 grid is shown. A rectangle is drawn in the bottom right corner, spanning 4 columns and 2 rows. The rectangle is located in the bottom right corner of the grid, starting from the 7th column and 8th row, and ending at the 10th column and 10th row.

1 mark

4	715 - 30 =														

T mark

[illegible][illegible]

7

$183 + 638 =$

$$\begin{array}{r} 183 \\ + 638 \\ \hline 211 \end{array}$$

1 mark

8

$701 - 456 =$

$$\begin{array}{r} 701 \\ - 456 \\ \hline \end{array}$$

1 mark

9

$4 \times 8 =$

.

.

.

.

1 mark


10	$96 \div 8 =$
----	---------------

A 10x5 grid is shown. A rectangle is drawn on the right side, spanning 3 columns and 2 rows. The rectangle is positioned such that its left edge is at the 7th column and its right edge is at the 10th column. Its top edge is at the 4th row and its bottom edge is at the 5th row.

1 mark

11	$33 \times 6 =$
----	-----------------

$$\begin{array}{r} 33 \\ \times \quad 6 \\ \hline \end{array}$$



1 mark

12	$88 \times 5 =$
----	-----------------

$$\begin{array}{r} 88 \\ \times \quad 5 \\ \hline \end{array}$$

--	--



13

$84 \div 4 =$

$84 \div 4$



1 mark

14

$\frac{1}{8} + \frac{5}{8} =$



1 mark

15

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



1 mark