



‘Confident, Independent, Forward-thinking’

Kents Hill Park Online Lesson

Recording of Online Lessons

Please be aware that all Online Lessons are recorded

Following all lessons the recording will be made available within Microsoft Teams to all staff and pupils for review and recap.



Kents Hill Park School

Participating in an online lesson using an online learning platform

I understand that an online lesson is an extension of the classroom and that I should conduct myself as I would in a classroom environment.

This includes:

- Taking part in an online lesson in an environment that is safe, quiet and free from distractions (preferably not a bedroom)
- Being on time for the virtual lesson.
- Remaining attentive during lesson.
- Interacting patiently and respectfully with your teachers and peers.
- Not recording each other's online interactions.
- Remaining for the full duration of the lesson.
- Switching off my video camera and microphone before joining a lesson and when requested to do so by your teacher.
- Finishing the session when your teacher instructs you to do so.



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Starter: Ordering fractions

2 Put these cards in order from smallest to largest.

$$\frac{2}{6} \quad \frac{2}{3} \quad \frac{5}{12} \quad \frac{5}{6} \quad \frac{3}{6} \quad \frac{1}{6}$$

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

First I will sort them into fractions which are greater than and less than a half.



1 Who has walked farther?

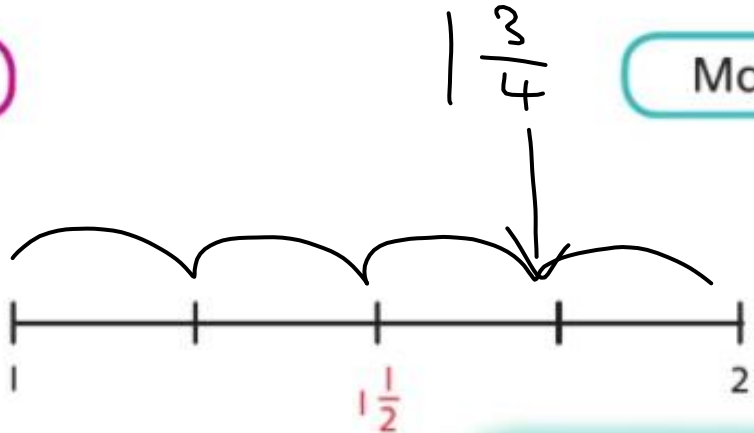
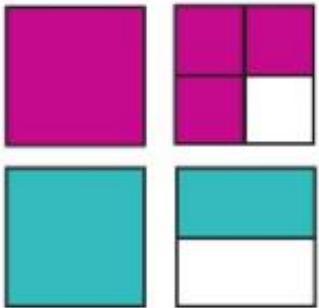


I have walked $1\frac{3}{4}$ miles.

Amelia

I have walked $1\frac{1}{2}$ miles.

Max



I will use the diagrams to help me compare.



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

_____ has walked farther.

2 Who has more juice?

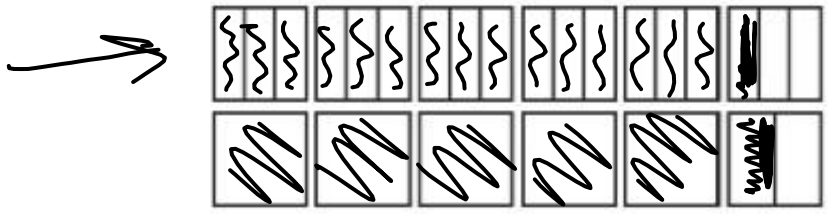


Each carton holds $\frac{1}{3}$ litre of juice. I have 16 cartons.

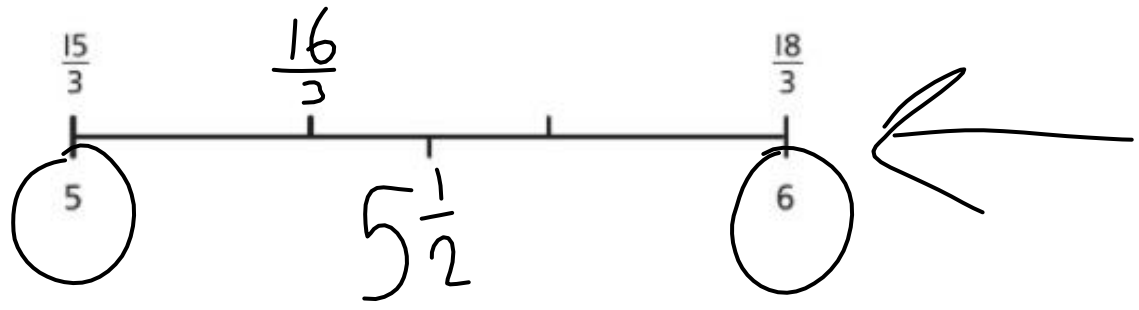
Jen

I have $5\frac{1}{2}$ litres of juice.

Toshi



$\frac{16}{3} < 5\frac{1}{2}$



_____ has more juice.



$$\frac{2}{5} = \frac{6}{15}$$



$$\frac{2}{3} \square \frac{10}{12}$$



$$\frac{2}{3} \square \frac{3}{6}$$



$$\frac{3}{5} \square \frac{4}{10}$$



$$\square \square$$



$$\square \square$$

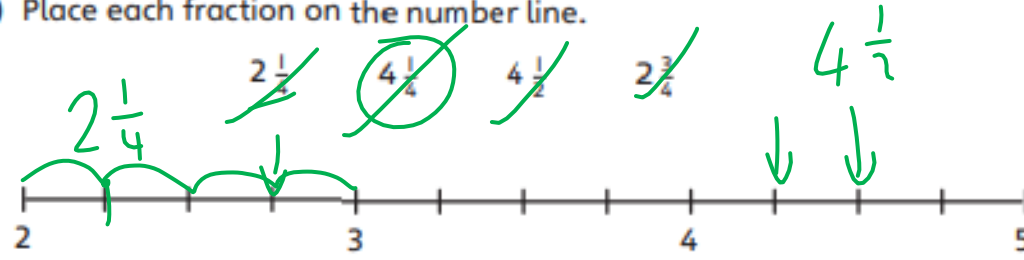


$$\square \square$$



$$\square \square$$

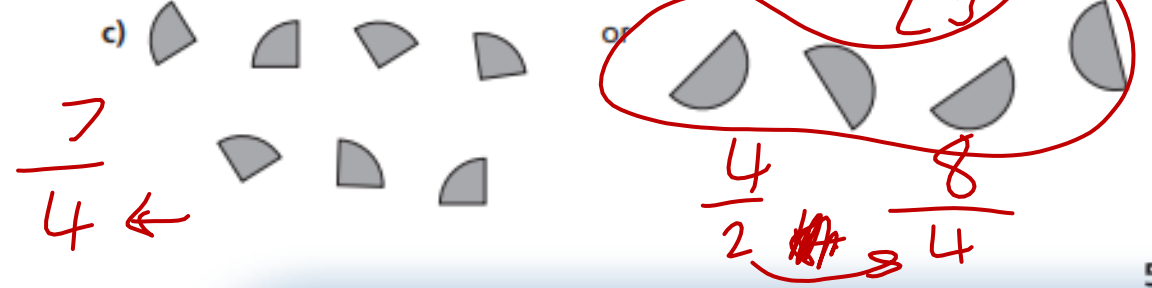
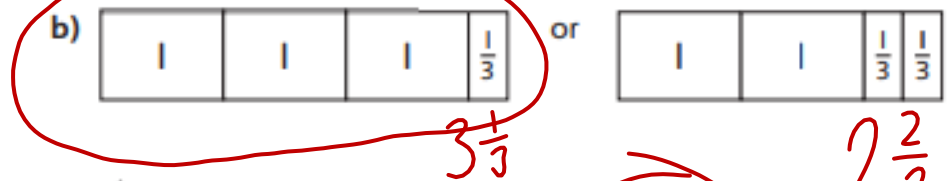
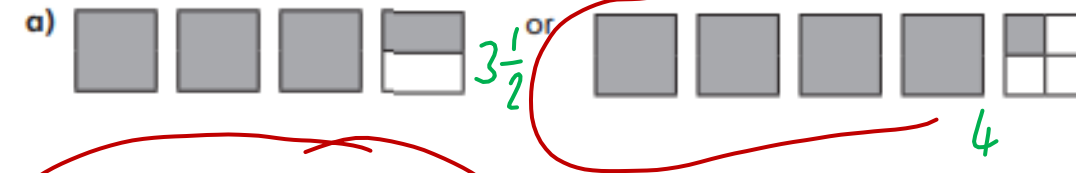
1 a) Place each fraction on the number line.



b) Write the fractions from part a) in order from smallest to greatest.

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

2 In each pair, circle the diagram that represents the larger number.



$\frac{3}{5}$	<input type="text"/>	$\frac{12}{15}$	$\frac{2}{8}$	<input type="text"/>	$\frac{4}{16}$
$\frac{2}{3}$	<input type="text"/>	$\frac{4}{9}$	$\frac{2}{7}$	<input type="text"/>	$\frac{14}{21}$
$\frac{1}{4}$	<input type="text"/>	$\frac{4}{16}$	$\frac{2}{5}$	<input type="text"/>	$\frac{6}{20}$

Handwritten work for problem 3:

$$5 \frac{15}{5} < \frac{18}{5}$$


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


3 Use <, > or = to complete each statement.

a) $3 \frac{1}{5} < 3 \frac{4}{5}$ c) $\frac{15}{5} < 3 \frac{3}{5}$ e) $4 \frac{2}{6} < \frac{23}{6}$

b) $\frac{13}{5} < \frac{17}{5}$ d) $4 \frac{2}{5} < \frac{23}{5}$ f) $\frac{23}{7} < 4 \frac{2}{7}$

4 Kate and Lee are cycling laps around a track.
 Kate has completed $5 \frac{3}{4}$ laps. Lee has completed $5 \frac{2}{8}$ laps.
 Who has cycled farther? Show this using the diagrams.

Kate: 

Lee: 

Kate has cycled farther.

Draw lines to match the fractions with their equivalent partners:

$\frac{2}{6}$	$\frac{16}{20}$
$\frac{3}{8}$	$\frac{5}{15}$
$\frac{4}{5}$	$\frac{6}{18}$
$\frac{2}{3}$	$\frac{10}{15}$
$\frac{1}{3}$	$\frac{9}{24}$

Handwritten work for problem 4:

$$3 \times 5 = 15 + 3$$

$$= \frac{18}{5}$$

Order these fractions from smallest to largest:

$\frac{2}{5}$	$\frac{6}{10}$	$\frac{4}{5}$	$\frac{1}{5}$	$\frac{10}{20}$
<hr/>				
$\frac{2}{4}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{1}{4}$	$\frac{3}{8}$
<hr/>				

Handwritten work for problem 5:

$$3 \frac{2}{3} = 3 \frac{4}{6}$$

$$3 \frac{2}{3} = 3 \frac{4}{6}$$

5 Complete each statement.

a) $2 \frac{7}{8} < 4 \frac{3}{4}$ e) $\frac{31}{5} < \frac{31}{10}$ i) $\frac{21}{5} < 2 \frac{1}{5}$

b) $3 \frac{2}{3} > 3 \frac{1}{6}$ f) $\frac{41}{6} < \frac{41}{2}$ j) $\frac{31}{10} < 3 \frac{1}{10}$

c) $5 \frac{1}{5} < 5 \frac{2}{10}$ g) $\frac{21}{2} < \frac{41}{4}$ k) $5 \frac{1}{3} < \frac{31}{6}$

d) $6 \frac{3}{6} < 6 \frac{\quad}{3}$ h) $\frac{13}{3} < \frac{39}{9}$ l) $4 \frac{4}{9} < \frac{13}{3}$

a) $4\frac{5}{8} < 6\frac{1}{2}$

b) $3\frac{4}{6} < 3\frac{5}{6}$

c) $\frac{14}{5} > \frac{12}{10}$
 $\frac{12}{10} \xrightarrow{-2} \frac{5}{6}$
 $\frac{5}{6} \xrightarrow{-2} \frac{5}{5}$

d) $\frac{2}{3} < \frac{7}{9}$
 $\frac{2}{3} \xrightarrow{\times 3} \frac{2}{1} = \frac{2}{1}$
 $\frac{7}{9} \xrightarrow{\times 3} \frac{7}{3}$
 $\frac{2}{1} \xrightarrow{-2} \frac{0}{1}$
 $\frac{7}{3} \xrightarrow{-2} \frac{1}{3}$

e) $4\frac{3}{4} > \frac{17}{4}$
 $4\frac{3}{4} \xrightarrow{\frac{4}{4}} \frac{19}{4}$

f) $2\frac{3}{5} > \frac{18}{10}$
 $2\frac{3}{5} \xrightarrow{\frac{5}{5}} \frac{15}{5}$
 $\frac{18}{10} \xrightarrow{-2} \frac{5}{5}$
 $\frac{5}{5} \xrightarrow{-2} \frac{0}{5}$

g) $5\frac{1}{2} > 4\frac{3}{4}$

h) $\frac{16}{3} > 5\frac{1}{3}$