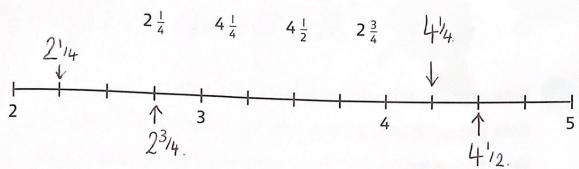
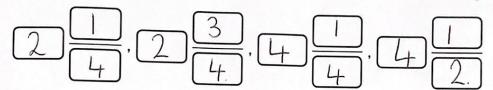
Comparing and ordering fractions 2

a) Place each fraction on the number line.

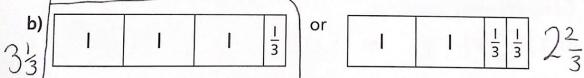


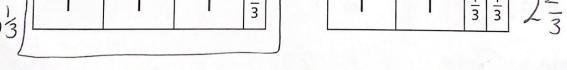
b) Write the fractions from part a) in order from smallest to greatest.

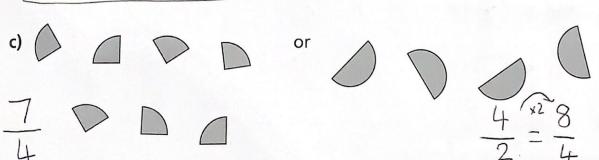


In each pair, circle the diagram that represents the larger number.











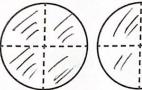
- a) $3\frac{1}{5}$ (2) $3\frac{4}{5}$ (3) $\frac{15}{5}$ (4) $4\frac{2}{5}$ (5) $\frac{13}{5}$ (7) $\frac{17}{5}$ (7) $4\frac{23}{5}$ (8) $4\frac{2}{5}$ (9) $4\frac{2}{5}$ (9) $4\frac{2}{5}$ (17) $4\frac{2}{7}$ (18) $4\frac{2}{7}$ (19) $4\frac{2}{5}$ (19) $4\frac{2}{5}$ (19) $4\frac{2}{5}$ (19) $4\frac{2}{5}$ (19) $4\frac{2}{5}$ (19) $4\frac{2}{5}$ (19) $4\frac{2}{7}$ (19) 4

Kate and Lee are cycling laps around a track.

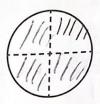
Kate has completed 5 $\frac{3}{4}$ laps. Lee has completed 5 $\frac{3}{8}$ laps.

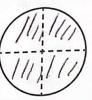
Who has cycled farther? Show this using the diagrams.

Kate









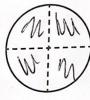


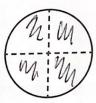


Lee













has cycled farther.

Complete each statement. (2)
a) $2\frac{7}{8}$ (4) $4\frac{3}{4}$ (6) $\frac{31}{5}$ (7) $\frac{31}{10}$

$$3\frac{2}{6}$$
b) $3\frac{2}{3}$ $3\frac{1}{6}$

f)
$$\frac{41}{6}$$
 $\left(\frac{41}{2} \right)$

j)
$$\frac{31}{10}$$
 \bigcirc $3\frac{1}{10}$ $\frac{31}{10}$

c)
$$5\frac{1}{5} = 5\frac{2}{10}$$

k)
$$5\frac{1}{3}$$
 $3\frac{2}{6}$

$$\frac{5^{2}}{d)^{10}} \frac{2}{6^{3}} < 6 \frac{2}{3}$$

$$\frac{h}{39}$$
 $\frac{13}{3}$ $\frac{39}{9}$

1)
$$4\frac{4}{9}$$
 $\sqrt{\frac{13}{3}} = 4\frac{1}{3} = \frac{13}{6}$

a) Aki and Bella are guessing a mystery number.





Bella Is it $\frac{21}{5}$?

One of these guesses is too low. One is too high.

Write three different fractions the mystery number could be.

Order these fractions – Aki's, Bella's and the three you have written.

$$\left[\frac{21}{5}\right] < \left[\frac{43}{10}\right] < \left[\frac{87}{20}\right] < \left[\frac{44}{10}\right] < \left[\frac{45}{10}\right]$$

b) Write five different fractions between $3\frac{3}{6}$ and $\frac{53}{6}$.

				8	. 16	· 1	
M.	Answers wit	Ivary	dependuna	on	denon	unator	chosen
4	- a mecible	solution	our:				
	a possible	0 71	0 23	241			
	Answers with - a possible 3-11/32	3 4	364.) 12	8.		

Place these fractions in order from greatest to smallest.

$$3\frac{3}{8}$$
, $3\frac{23}{64}$, $3\frac{1}{32}$, $3\frac{21}{64}$, $3\frac{41}{128}$, $\frac{53}{16}$.

Reflect

Explain two different methods for comparing $\frac{8}{3}$ and $2\frac{1}{6}$.

- $\frac{13}{6}$; $\frac{8}{3} = \frac{16}{6}$ so $\frac{8}{13}$ is greater than $\frac{2}{16}$.