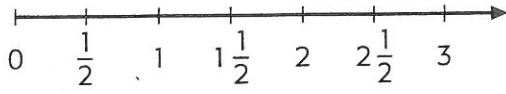


**A Checking**

1. Write each pair of fractions as equivalent fractions with a common denominator.

- a)  $\frac{3}{5}$  and  $\frac{2}{4}$
- b)  $\frac{5}{8}$  and  $\frac{3}{4}$
- c)  $\frac{2}{10}$  and  $\frac{1}{15}$
- d)  $\frac{2}{3}$  and  $\frac{1}{8}$

2. a) Place  $1\frac{2}{3}$ ,  $\frac{3}{4}$ ,  $\frac{3}{5}$ , and  $\frac{7}{5}$  on the number line.



b) List the fractions in order from least to greatest.

3. Compare each pair of fractions using a strategy of your choice.

- a)  $\frac{3}{7}$  and  $\frac{2}{3}$
- b)  $\frac{2}{5}$  and  $\frac{1}{2}$
- c)  $\frac{8}{6}$  and  $\frac{4}{8}$

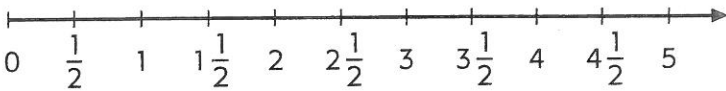
**B Practising**

4. Rewrite each fraction in lowest terms.

- a)  $\frac{4}{8}$
- b)  $\frac{10}{15}$
- c)  $\frac{15}{6}$
- d)  $\frac{10}{6}$

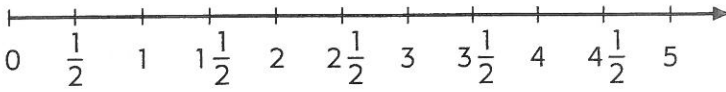
50r. b

5. a) Place  $\frac{15}{4}$ ,  $2\frac{2}{5}$ ,  $\frac{34}{10}$ ,  $\frac{5}{8}$ , and  $\frac{6}{9}$  on the number line.



b) List the fractions in order from least to greatest.

6. a) Place  $2\frac{2}{5}$ ,  $3\frac{1}{2}$ ,  $\frac{8}{7}$ ,  $\frac{7}{8}$ , and  $\frac{4}{5}$  on the number line.



b) List the fractions in order from greatest to least.

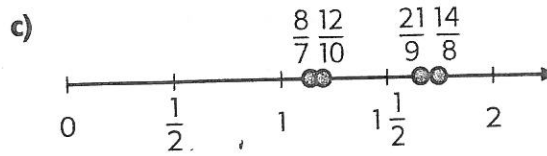
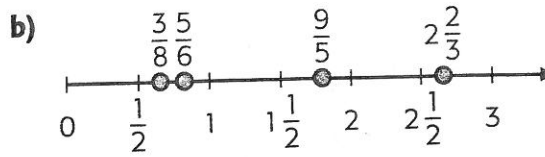
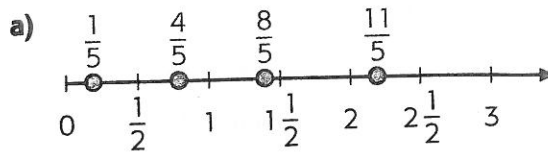
7. Compare each pair of fractions using different strategies.

- a)  $\frac{4}{9}$  and  $\frac{5}{6}$
- b)  $\frac{4}{5}$  and  $\frac{1}{6}$
- c)  $\frac{8}{3}$  and  $\frac{13}{15}$

8. Which number in each list is out of order?

- a)  $\frac{1}{6}$ ,  $\frac{2}{5}$ ,  $\frac{4}{9}$ ,  $\frac{3}{8}$ ,  $\frac{9}{5}$
- b)  $\frac{12}{5}$ ,  $\frac{11}{3}$ ,  $2\frac{1}{2}$ ,  $\frac{11}{4}$ ,  $\frac{11}{2}$
- c)  $\frac{1}{10}$ ,  $\frac{4}{7}$ ,  $\frac{7}{6}$ ,  $\frac{2}{3}$ ,  $\frac{8}{5}$
- d)  $\frac{3}{4}$ ,  $\frac{2}{10}$ ,  $\frac{11}{12}$ ,  $\frac{6}{5}$ ,  $\frac{3}{2}$

9.) Which fraction is in the wrong location?



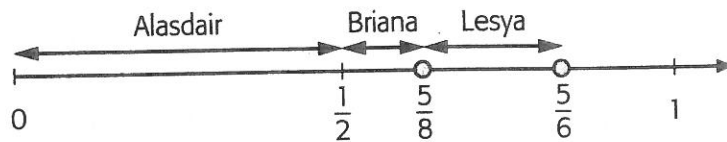
10. On which quiz did Jane do best?

Quiz	A	B	C
Score	$\frac{31}{40}$	$\frac{25}{30}$	$\frac{20}{25}$

11. Mike's test marks kept going up by 2, but so did the total possible score on the tests. Were his marks improving? Explain.

12.) Alasdair, Briana, and Lesya played a series of chess games. They reported what fraction of the games they won:

- Alasdair said that he won less than  $\frac{1}{2}$  of his games.
- Briana said that she won between  $\frac{1}{2}$  and  $\frac{5}{8}$  of her games.
- Lesya said that she won between  $\frac{5}{8}$  and  $\frac{5}{6}$  of her games.



Name two possible fractions for each student.

13. Choose two fractions in which the numerators and denominators are both more than 2 apart; for example,  $\frac{3}{5}$  and  $\frac{7}{10}$ .

- Create a new fraction by using a numerator between the two numerators and a denominator between the two denominators; for example,  $\frac{5}{8}$ .
- How does the new fraction compare with the original two fractions?
- Try some more examples. Does this result always seem to be true?

14. How can you tell whether a fraction is greater than  $\frac{1}{2}$ ?

15.) Why is it easier to compare  $\frac{2}{3}$  with  $\frac{2}{7}$  than it is to compare  $\frac{2}{3}$  with  $\frac{4}{7}$  using mental strategies?

**Reading Strategy**

Look for the important information in this problem.  
Record your ideas.