COMPARING FRACTIONS

TARGET To compare and order fractions.

The smaller the bottom number, the larger the fraction.

Example A bar of chocolate has 8 squares

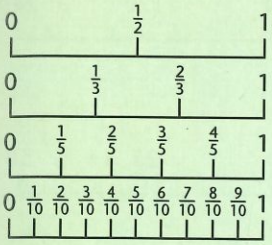
$\frac{1}{2}$ = 4 squares $\frac{1}{4}$ = 2 squares $\frac{1}{8}$ = 1 square

The smaller the top number, the smaller the fraction.

Example A pizza has 10 equal slices.

$\frac{1}{10}$ = 1 slice $\frac{2}{10}$ = 2 slices $\frac{4}{10}$ = 4 slices

A



Look at the number lines. Write down if each fraction is:

a) greater than one half

b) less than one half.

1. $\frac{4}{5}$
2. $\frac{3}{10}$
3. $\frac{1}{3}$
4. $\frac{7}{10}$
5. $\frac{2}{5}$
6. $\frac{2}{3}$
7. $\frac{4}{10}$
8. $\frac{3}{5}$

Which fraction is larger?

9. $\frac{1}{3}$ or $\frac{1}{4}$
10. $\frac{1}{5}$ or $\frac{1}{3}$
11. $\frac{1}{10}$ or $\frac{1}{5}$
12. $\frac{1}{4}$ or $\frac{1}{10}$
13. $\frac{1}{4}$ or $\frac{3}{4}$
14. $\frac{3}{5}$ or $\frac{2}{5}$
15. $\frac{2}{3}$ or $\frac{1}{3}$
16. $\frac{3}{10}$ or $\frac{7}{10}$

B

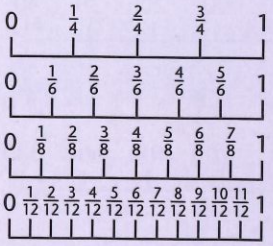
Write the larger of each pair of fractions.

1. $\frac{2}{6}$ $\frac{5}{6}$
2. $\frac{3}{11}$ $\frac{1}{11}$
3. $\frac{5}{8}$ $\frac{7}{8}$
4. $\frac{1}{9}$ $\frac{4}{9}$
5. $\frac{11}{12}$ $\frac{7}{12}$
6. $\frac{4}{7}$ $\frac{3}{7}$
7. $\frac{1}{8}$ $\frac{1}{5}$
8. $\frac{5}{6}$ $\frac{5}{7}$
9. $\frac{2}{5}$ $\frac{2}{3}$
10. $\frac{8}{9}$ $\frac{8}{11}$
11. $\frac{3}{4}$ $\frac{3}{8}$
12. $\frac{7}{12}$ $\frac{7}{10}$

Write in order, smallest first.

13. $\frac{2}{5}, \frac{4}{5}, \frac{1}{5}$
14. $\frac{1}{11}, \frac{1}{2}, \frac{1}{3}$
15. $\frac{7}{12}, \frac{5}{12}, \frac{10}{12}$
16. $\frac{3}{5}, \frac{3}{7}, \frac{3}{6}$
17. $\frac{6}{8}, \frac{3}{8}, \frac{1}{8}$
18. $\frac{5}{9}, \frac{5}{12}, \frac{5}{8}$

C



Look at the number lines. Write down the larger of each pair of fractions.

1. $\frac{1}{4}$ $\frac{1}{6}$
2. $\frac{3}{8}$ $\frac{5}{12}$
3. $\frac{3}{4}$ $\frac{7}{8}$
4. $\frac{2}{6}$ $\frac{3}{12}$
5. $\frac{3}{4}$ $\frac{8}{12}$
6. $\frac{5}{8}$ $\frac{4}{6}$
7. $\frac{3}{8}$ $\frac{1}{4}$
8. $\frac{9}{12}$ $\frac{5}{6}$

Write in order, smallest first.

9. $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}$
10. $\frac{3}{4}, \frac{3}{8}, \frac{1}{2}$
11. $\frac{4}{5}, \frac{1}{2}, \frac{4}{6}$
12. $\frac{1}{2}, \frac{5}{8}, \frac{5}{12}$
13. $\frac{2}{5}, \frac{2}{10}, \frac{1}{2}$
14. $\frac{7}{12}, \frac{1}{2}, \frac{4}{10}$