Comparing fractions

Write >, < or = in each circle. Give both fractions the same denominator, or compare each with 1/2.

Name _____ Date _____

1. $\frac{1}{3}$ ◯ $\frac{7}{12}$

2. $\frac{7}{8}$ ◯ $\frac{2}{5}$

3. $\frac{5}{8}$ ◯ $\frac{3}{5}$

4. $\frac{4}{5}$ ◯ $\frac{9}{10}$

5. $\frac{4}{5}$ ◯ $\frac{7}{10}$

6. $\frac{2}{6}$ ◯ $\frac{1}{3}$

7. $\frac{3}{5}$ ◯ $\frac{2}{3}$

8. $\frac{1}{12}$ ◯ $\frac{3}{8}$

9. $\frac{2}{3}$ ◯ $\frac{7}{8}$

10. $\frac{7}{12}$ ◯ $\frac{5}{8}$

11. $\frac{1}{3}$ ◯ $\frac{3}{10}$

12. $\frac{1}{6}$ ◯ $\frac{2}{12}$

13. $\frac{5}{6}$ ◯ $\frac{2}{3}$

14. $\frac{3}{4}$ ◯ $\frac{2}{3}$

15. $\frac{1}{3}$ ◯ $\frac{3}{5}$

16. $\frac{1}{6}$ ◯ $\frac{3}{4}$

17. $\frac{5}{8}$ ◯ $\frac{2}{3}$

18. $\frac{3}{10}$ ◯ $\frac{1}{6}$

19. $\frac{7}{12}$ ◯ $\frac{3}{4}$

20. $\frac{1}{8}$ ◯ $\frac{2}{5}$

Comparing fractions: answer key

Each answer in colour, with how it was decided.

1. $\frac{1}{3} < \frac{7}{12}$ because $\frac{1}{3} < \frac{1}{2} < \frac{7}{12}$
2. $\frac{7}{8} > \frac{2}{5}$ because $\frac{7}{8} > \frac{1}{2} > \frac{2}{5}$
3. $\frac{5}{8} > \frac{3}{5}$ because $\frac{25}{40} > \frac{24}{40}$
4. $\frac{4}{5} < \frac{9}{10}$ because $\frac{8}{10} < \frac{9}{10}$
5. $\frac{4}{5} > \frac{7}{10}$ because $\frac{8}{10} > \frac{7}{10}$
6. $\frac{2}{6} = \frac{1}{3}$ because $\frac{2}{6} = \frac{2}{6}$
7. $\frac{3}{5} < \frac{2}{3}$ because $\frac{9}{15} < \frac{10}{15}$
8. $\frac{1}{12} < \frac{3}{8}$ because $\frac{2}{24} < \frac{9}{24}$
9. $\frac{2}{3} < \frac{7}{8}$ because $\frac{16}{24} < \frac{21}{24}$
10. $\frac{7}{12} < \frac{5}{8}$ because $\frac{14}{24} < \frac{15}{24}$
11. $\frac{1}{3} > \frac{3}{10}$ because $\frac{10}{30} > \frac{9}{30}$
12. $\frac{1}{6} = \frac{2}{12}$ because $\frac{2}{12} = \frac{2}{12}$
13. $\frac{5}{6} > \frac{2}{3}$ because $\frac{5}{6} > \frac{4}{6}$
14. $\frac{3}{4} > \frac{2}{3}$ because $\frac{9}{12} > \frac{8}{12}$
15. $\frac{1}{3} < \frac{3}{5}$ because $\frac{1}{3} < \frac{1}{2} < \frac{3}{5}$
16. $\frac{1}{6} < \frac{3}{4}$ because $\frac{1}{6} < \frac{1}{2} < \frac{3}{4}$
17. $\frac{5}{8} < \frac{2}{3}$ because $\frac{15}{24} < \frac{16}{24}$
18. $\frac{3}{10} > \frac{1}{6}$ because $\frac{9}{30} > \frac{5}{30}$
19. $\frac{7}{12} < \frac{3}{4}$ because $\frac{7}{12} < \frac{9}{12}$
20. $\frac{1}{8} < \frac{2}{5}$ because $\frac{5}{40} < \frac{16}{40}$