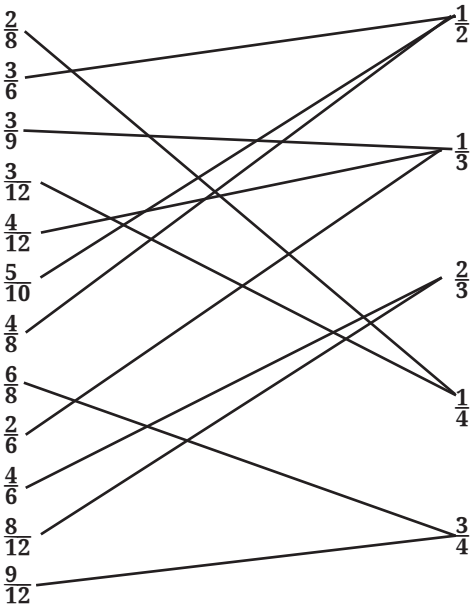
Practice Sheets Answers

Equivalent fractions (mild)



Ordering fractions (mild)

$\frac{2}{3} = \frac{4}{6}$
$\frac{1}{2} = \frac{3}{6}$ Order smallest first: $\frac{1}{3}$ $\frac{1}{2}$ $\frac{2}{3}$
$\frac{1}{3} = \frac{2}{6}$

$\frac{1}{2} = \frac{5}{10}$
$\frac{2}{5} = \frac{4}{10}$ Order smallest first: $\frac{2}{5}$ $\frac{1}{2}$ $\frac{3}{5}$
$\frac{3}{5} = \frac{6}{10}$

$\frac{2}{3} = \frac{8}{12}$
$\frac{3}{4} = \frac{9}{12}$
$\frac{1}{4} = \frac{3}{12}$
$\frac{1}{3} = \frac{4}{12}$ Order smallest first: $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{9}{12}$
$\frac{1}{6} = \frac{2}{12}$
$\frac{5}{6} = \frac{10}{12}$
$\frac{1}{2} = \frac{6}{12}$

Equivalent fractions (hot)

The fractions equivalent to $\frac{1}{4}$ are: $\frac{2}{8}$ $\frac{3}{12}$ $\frac{5}{20}$ $\frac{10}{40}$ $\frac{4}{16}$

The fractions equivalent to $\frac{1}{3}$ are: $\frac{2}{6}$ $\frac{4}{12}$ $\frac{10}{30}$ $\frac{3}{9}$ $\frac{5}{15}$

The fractions equivalent to $\frac{1}{5}$ are: $\frac{2}{10}$ $\frac{3}{15}$ $\frac{4}{20}$ $\frac{20}{100}$ $\frac{10}{50}$

$\frac{3}{4}$ $\frac{6}{8}$ $\frac{9}{12}$ $\frac{12}{16}$ $\frac{15}{20}$ $\frac{30}{40}$ $\frac{45}{60}$ $\frac{75}{100}$ $\frac{21}{28}$ The final fraction in this list can be any that is equivalent to $\frac{3}{4}$.

Challenge 1

Ava is partly correct: $\frac{1}{2} = \frac{25}{50}$ and $\frac{2}{5} = \frac{20}{50}$. but $\frac{2}{3}$ and $\frac{3}{4}$ cannot be writen as fiftieths, because the denominators are not factors of 50.

Challenge 2

Fractions equivalent to $\frac{2}{5}$ could include: $\frac{4}{10}$ $\frac{6}{15}$ $\frac{8}{20}$ $\frac{10}{25}$ $\frac{12}{30}$ and so on

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Comparing and ordering fractions (hot)

1. $\frac{2}{3} = \frac{4}{6}$, so $\frac{2}{3} > \frac{3}{6}$

2. $\frac{2}{3} = \frac{6}{9}$, so $\frac{2}{3} > \frac{2}{9}$

3. $\frac{1}{5} = \frac{2}{10}$, so $\frac{3}{10} > \frac{1}{5}$

4. $\frac{3}{4} = \frac{6}{8}$, so $\frac{3}{4} < \frac{7}{8}$

5. $\frac{5}{6} = \frac{10}{12}$, so $\frac{5}{6} < \frac{11}{12}$

6. $\frac{3}{5} = \frac{6}{10}$, so $\frac{7}{10} > \frac{3}{5}$

7. $\frac{1}{3} = \frac{4}{12}$, so $\frac{1}{3} < \frac{5}{12}$

8. $\frac{2}{5} = \frac{6}{15}$, so $\frac{2}{5} < \frac{7}{15}$

9. $\frac{7}{10} = \frac{14}{20}$, so $\frac{7}{10} > \frac{13}{20}$

10. $\frac{1}{3} = \frac{3}{15}$, so $\frac{1}{3} > \frac{4}{15}$

11. $\frac{1}{2} = \frac{5}{10}$ and $\frac{2}{5} = \frac{4}{10}$, so $\frac{1}{2} > \frac{2}{5}$

12. $\frac{2}{3} = \frac{10}{15}$ and $\frac{4}{5} = \frac{12}{15}$, so $\frac{2}{3} < \frac{4}{5}$

13. $\frac{1}{2} = \frac{4}{8}$ $\frac{3}{4} = \frac{6}{8}$, so $\frac{1}{2} < \frac{5}{8} < \frac{3}{4}$

14. $\frac{1}{2} = \frac{5}{10}$ $\frac{3}{5} = \frac{6}{10}$, so $\frac{1}{2} < \frac{3}{5} < \frac{7}{10}$

15. $\frac{1}{3} = \frac{5}{15}$ $\frac{2}{5} = \frac{6}{15}$, so $\frac{4}{15} < \frac{1}{3} < \frac{2}{5}$

16. $\frac{7}{10} = \frac{14}{20}$ $\frac{4}{5} = \frac{16}{20}$, so $\frac{7}{10} < \frac{4}{5} < \frac{17}{20}$

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