

CHAPTER

3

At-Home Practice

Understanding Fractions

Determine whether the fractions in each pair are equivalent.

1. $\frac{4}{6}$ and $\frac{20}{30}$

2. $\frac{2}{5}$ and $\frac{3}{10}$

3. $\frac{5}{7}$ and $\frac{35}{49}$

4. $\frac{9}{12}$ and $\frac{12}{16}$

Write each improper fraction as a mixed number.

5. $\frac{17}{6}$

6. $\frac{85}{7}$

7. $\frac{59}{14}$

8. $\frac{15}{11}$

Write each mixed number as an improper fraction.

9. $4\frac{6}{7}$

10. $3\frac{9}{13}$

11. $7\frac{2}{9}$

12. $10\frac{3}{4}$

Write each fraction as a decimal.

13. $\frac{7}{8}$

14. $\frac{3}{5}$

15. $\frac{7}{20}$

16. $\frac{6}{25}$

Write each decimal as a fraction in simplest form.

17. 0.85

18. 3.2

19. 1.38

20. 3.07

Compare the fractions or decimals. Write < or >.

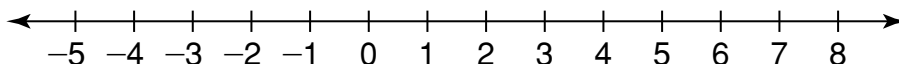
21. $\frac{1}{8}$ $\frac{2}{5}$

22. $\frac{3}{4}$ $\frac{4}{5}$

23. 0.76 0.73

24. 3.021 3.012

25. Order $\frac{3}{10}$, $-2\frac{1}{4}$, 3.75, -0.75 , and $4\frac{4}{5}$ from least to greatest. Graph the numbers on the number line.



Answers: 1. yes 2. no 3. yes 4. yes 5. $2\frac{6}{5}$ 6. $12\frac{7}{1}$ 7. $4\frac{14}{3}$ 8. $1\frac{11}{4}$ 9. $\frac{7}{34}$ 10. $\frac{13}{48}$ 11. $\frac{9}{65}$ 12. $\frac{4}{43}$
 13. 0.875 14. 0.6 15. 0.35 16. 0.24 17. $\frac{17}{20}$ 18. $3\frac{5}{1}$ 19. $1\frac{19}{50}$ 20. $3\frac{100}{7}$ 21. $<$ 22. $<$ 23. $<$ 24. $>$
 25. $-2\frac{1}{4}$, -0.75 , $\frac{3}{10}$, 3.75, $4\frac{4}{5}$

CHAPTER
3 **Family Fun**
Circle Time

Directions

Find the pairs of equivalent fractions and/or decimals in the hidden number puzzle. Circle the pairs, which appear in a vertical or horizontal line. Once you have found all 10 pairs, create another equivalent fraction.

$\frac{1}{3}$	$\frac{2}{3}$	$\frac{4}{8}$	$2\frac{1}{2}$	$\frac{5}{2}$	$\frac{4}{5}$	$1\frac{1}{2}$
$\frac{9}{27}$	0.9	0.05	2.2	$\frac{4}{8}$	$1\frac{1}{4}$	1.25
$\frac{15}{20}$	$\frac{7}{8}$	$1\frac{1}{4}$	$\frac{5}{2}$	$\frac{5}{8}$	0.75	$\frac{2}{3}$
0.9	$\frac{9}{10}$	9	$\frac{3}{5}$	$\frac{25}{40}$	0.6	$\frac{36}{48}$
1.5	$\frac{4}{8}$	2	$\frac{22}{2}$	8	0.68	$\frac{6}{8}$
$\frac{18}{3}$	$\frac{7}{5}$	$\frac{16}{8}$	$\frac{4}{9}$	$\frac{11}{3}$	$3\frac{2}{3}$	3.2
9	$\frac{1}{6}$	0.2	$\frac{8}{18}$	$\frac{5}{8}$	0.75	$\frac{15}{20}$

List the 10 equivalent pairs. Create an additional equivalent fraction.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Answers: For 1–10 possible equivalent fractions follow answer: 1. $(\frac{1}{9}, \frac{2}{27}); (\frac{2}{2}, \frac{2}{2}); (\frac{4}{10}, \frac{4}{5})$
 2. $(\frac{1}{3}, \frac{2}{6}); (\frac{2}{2}, \frac{2}{2}); (\frac{4}{10}, \frac{4}{5})$
 3. $(1\frac{1}{4}, 1.25); (\frac{8}{10}, \frac{9}{9}); (\frac{20}{9}, \frac{10}{9}); (\frac{18}{36}, \frac{8}{6}); (\frac{16}{12}, \frac{6}{6}); (\frac{2}{16}, \frac{1}{8}); (\frac{4}{8}, \frac{7}{7}); (\frac{3}{11}, \frac{3}{2}); (\frac{6}{22}, \frac{3}{3}); (\frac{6}{8}, 0.75); (\frac{15}{20}, \frac{4}{3})$
 4. $(\frac{9}{12}, \frac{27}{36}); (\frac{27}{12}, 10); (\frac{8}{5}, \frac{40}{25}); (\frac{10}{10}, \frac{16}{16})$
 5. $(\frac{4}{8}, \frac{18}{36}); (\frac{8}{6}, \frac{16}{12}); (\frac{2}{16}, \frac{1}{8}); (\frac{4}{8}, \frac{7}{7}); (\frac{3}{11}, \frac{3}{2}); (\frac{6}{22}, \frac{3}{3}); (\frac{6}{8}, 0.75); (\frac{15}{20}, \frac{4}{3})$
 6. $(\frac{4}{8}, \frac{18}{36}); (\frac{8}{6}, \frac{16}{12}); (\frac{2}{16}, \frac{1}{8}); (\frac{4}{8}, \frac{7}{7}); (\frac{3}{11}, \frac{3}{2}); (\frac{6}{22}, \frac{3}{3}); (\frac{6}{8}, 0.75); (\frac{15}{20}, \frac{4}{3})$
 7. $(\frac{4}{8}, \frac{18}{36}); (\frac{8}{6}, \frac{16}{12}); (\frac{2}{16}, \frac{1}{8}); (\frac{4}{8}, \frac{7}{7}); (\frac{3}{11}, \frac{3}{2}); (\frac{6}{22}, \frac{3}{3}); (\frac{6}{8}, 0.75); (\frac{15}{20}, \frac{4}{3})$
 8. $(\frac{4}{8}, \frac{18}{36}); (\frac{8}{6}, \frac{16}{12}); (\frac{2}{16}, \frac{1}{8}); (\frac{4}{8}, \frac{7}{7}); (\frac{3}{11}, \frac{3}{2}); (\frac{6}{22}, \frac{3}{3}); (\frac{6}{8}, 0.75); (\frac{15}{20}, \frac{4}{3})$
 9. $(\frac{4}{8}, \frac{18}{36}); (\frac{8}{6}, \frac{16}{12}); (\frac{2}{16}, \frac{1}{8}); (\frac{4}{8}, \frac{7}{7}); (\frac{3}{11}, \frac{3}{2}); (\frac{6}{22}, \frac{3}{3}); (\frac{6}{8}, 0.75); (\frac{15}{20}, \frac{4}{3})$
 10. $(\frac{4}{8}, \frac{18}{36}); (\frac{8}{6}, \frac{16}{12}); (\frac{2}{16}, \frac{1}{8}); (\frac{4}{8}, \frac{7}{7}); (\frac{3}{11}, \frac{3}{2}); (\frac{6}{22}, \frac{3}{3}); (\frac{6}{8}, 0.75); (\frac{15}{20}, \frac{4}{3})$