math Antics Worksheets

Name:

Date:

Four Types of Fractions

F-TOF 1

Instructions: Mark the correct box to tell which group the fraction belongs to.

Example $\frac{7}{18}$

- ☐ zero ← always has zero as top number
- ☒ proper ← bigger bottom number
- ☐ whole ← same top and bottom number
- ☐ improper ← bigger top number

1 $\frac{0}{30}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

2 $\frac{98}{89}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

3 $\frac{15}{77}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

4 $\frac{12}{112}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

5 $\frac{45}{15}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

6 $\frac{0}{1}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

7 $\frac{9}{9}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

8 $\frac{31}{32}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

9 $\frac{100}{750}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

10 $\frac{18}{17}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

11 $\frac{25}{25}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

12 $\frac{312}{125}$
- ☐ zero
- ☐ proper
- ☐ whole
- ☐ improper

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Fractions Close to 0, 1/2, and 1

F-TOF 2

Instructions: Look at the top and bottom numbers of each fraction and decide if its value is closest to 0, 1/2 or 1

Examples

$\frac{6}{70}$ is close to 0 — top much smaller than bottom

$\frac{21}{40}$ is close to $\frac{1}{2}$ — top about half of bottom

$\frac{9}{8}$ is close to 1 — top about the same as bottom

1. $\frac{48}{50}$ is close to ____
2. $\frac{7}{15}$ is close to ____
3. $\frac{1}{20}$ is close to ____
4. $\frac{57}{60}$ is close to ____
5. $\frac{6}{13}$ is close to ____
6. $\frac{27}{25}$ is close to ____
7. $\frac{6}{120}$ is close to ____
8. $\frac{10}{350}$ is close to ____
9. $\frac{10}{22}$ is close to ____
10. $\frac{10}{11}$ is close to ____
11. $\frac{2}{30}$ is close to ____
12. $\frac{120}{115}$ is close to ____
13. $\frac{30}{900}$ is close to ____
14. $\frac{32}{60}$ is close to ____
15. $\frac{39}{80}$ is close to ____
16. $\frac{75}{160}$ is close to ____
17. $\frac{16}{30}$ is close to ____
18. $\frac{2}{27}$ is close to ____
19. $\frac{70}{75}$ is close to ____
20. $\frac{99}{105}$ is close to ____

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Comparing Fractions (by type & estimation)

F-TOF 3

Instructions: For each pair of fractions, use the greater than (>), less than (<) or equal to (=) sign to show which has the greatest value. Use what you learned in the video about the types of fractions and fractions that are close to 0, 1/2 and 1 to help you.

1. $\frac{1}{2} > \frac{0}{8}$
2. $\frac{15}{16} \bigcirc \frac{1}{20}$
3. $\frac{3}{3} \bigcirc \frac{8}{12}$
4. $\frac{7}{2} \bigcirc \frac{9}{15}$
5. $\frac{10}{21} \bigcirc \frac{5}{1{,}000}$
6. $\frac{77}{77} \bigcirc \frac{5}{5}$
7. $\frac{2}{2} \bigcirc \frac{40}{40}$
8. $\frac{40}{82} \bigcirc \frac{999}{1{,}000}$
9. $\frac{0}{1} \bigcirc \frac{1}{1}$
10. $\frac{18}{20} \bigcirc \frac{1}{1{,}000}$
11. $\frac{25}{50} \bigcirc \frac{50}{50}$
12. $\frac{43}{7} \bigcirc \frac{7}{30}$
13. $\frac{10}{8{,}000} \bigcirc \frac{3}{4}$
14. $\frac{0}{120} \bigcirc \frac{90}{95}$
15. $\frac{7}{6} \bigcirc \frac{6}{6}$
16. $\frac{50}{100} \bigcirc \frac{2}{30}$
17. $\frac{0}{100} \bigcirc \frac{100}{1{,}000}$
18. $\frac{500}{1{,}000} \bigcirc \frac{1}{2}$
19. $\frac{25}{2} \bigcirc \frac{2}{5}$
20. $\frac{1}{8} \bigcirc \frac{18}{1}$

math Antics
Exercises

Name:

Date:

Types of Fractions

1 Compare these fractions:

$$\frac{0}{5} \bigcirc \frac{0}{9}$$

2 Compare these fractions:

$$\frac{5}{8} \bigcirc \frac{1}{2}$$

3 Compare these fractions:

$$\frac{1}{2} \bigcirc \frac{51}{100}$$

4 Compare these fractions:

$$\frac{3}{4} \bigcirc \frac{10}{8}$$

5 Re-order these fractions from smallest to largest.

$$\frac{4}{8} \quad \frac{25}{6} \quad \frac{1}{50}$$

6 Re-order these fractions from smallest to largest.

$$\frac{6}{10} \quad \frac{2}{85} \quad \frac{27}{30}$$

7 Re-order these fractions from smallest to largest.

$$\frac{4}{5} \quad \frac{9}{8} \quad \frac{0}{2} \quad \frac{15}{15}$$

8 Re-order these fractions from smallest to largest.

$$\frac{0}{30} \quad \frac{3}{7} \quad \frac{7}{6} \quad \frac{1}{20}$$

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9. $\frac{10}{22}$ is close to $\frac{1}{2}$
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$$\frac{0}{5} = \frac{0}{9}$$

2 Compare these fractions:

$$\frac{5}{8} > \frac{1}{2}$$

3 Compare these fractions:

$$\frac{1}{2} < \frac{51}{100}$$

4 Compare these fractions:

$$\frac{3}{4} < \frac{10}{8}$$

5 Re-order these fractions from smallest to largest.

$$\frac{4}{8} \quad \frac{25}{6} \quad \frac{1}{50}$$

$$\frac{1}{50} < \frac{4}{8} < \frac{25}{6}$$

6 Re-order these fractions from smallest to largest.

$$\frac{6}{10} \quad \frac{2}{85} \quad \frac{27}{30}$$

$$\frac{2}{85} < \frac{6}{10} < \frac{27}{30}$$

7 Re-order these fractions from smallest to largest.

$$\frac{4}{5} \quad \frac{9}{8} \quad \frac{0}{2} \quad \frac{15}{15}$$

$$\frac{0}{2} < \frac{4}{5} < \frac{15}{15} < \frac{9}{8}$$

8 Re-order these fractions from smallest to largest.

$$\frac{0}{30} \quad \frac{3}{7} \quad \frac{7}{6} \quad \frac{1}{20}$$

$$\frac{0}{30} < \frac{1}{20} < \frac{3}{7} < \frac{7}{6}$$

See Video for step-by-step solutions to each problem.