Name: _____

Date: _____

Four Types of Fractions

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

Example $\dfrac{7}{18}$

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

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

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

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

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

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

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

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

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

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

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

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

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

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Fractions Close to 0, 1/2, and 1

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___ $\frac{21}{40}$ is close to ___$\frac{1}{2}$___ $\frac{9}{8}$ is close to ___1___

↑ top much smaller than bottom

↑ top about half of bottom

↑ 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 ____

Comparing Fractions (by type & estimation)

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 $\dfrac{1}{2}$ $>$ $\dfrac{0}{8}$

2 $\dfrac{15}{16}$ $\bigcirc$ $\dfrac{1}{20}$

3 $\dfrac{3}{3}$ $\bigcirc$ $\dfrac{8}{12}$

4 $\dfrac{7}{2}$ $\bigcirc$ $\dfrac{9}{15}$

5 $\dfrac{10}{21}$ $\bigcirc$ $\dfrac{5}{1,000}$

6 $\dfrac{77}{77}$ $\bigcirc$ $\dfrac{5}{5}$

7 $\dfrac{2}{2}$ $\bigcirc$ $\dfrac{40}{40}$

8 $\dfrac{40}{82}$ $\bigcirc$ $\dfrac{999}{1,000}$

9 $\dfrac{0}{1}$ $\bigcirc$ $\dfrac{1}{1}$

10 $\dfrac{18}{20}$ $\bigcirc$ $\dfrac{1}{1,000}$

11 $\dfrac{25}{50}$ $\bigcirc$ $\dfrac{50}{50}$

12 $\dfrac{43}{7}$ $\bigcirc$ $\dfrac{7}{30}$

13 $\dfrac{10}{8,000}$ $\bigcirc$ $\dfrac{3}{4}$

14 $\dfrac{0}{120}$ $\bigcirc$ $\dfrac{90}{95}$

15 $\dfrac{7}{6}$ $\bigcirc$ $\dfrac{6}{6}$

16 $\dfrac{50}{100}$ $\bigcirc$ $\dfrac{2}{30}$

17 $\dfrac{0}{100}$ $\bigcirc$ $\dfrac{100}{1,000}$

18 $\dfrac{500}{1,000}$ $\bigcirc$ $\dfrac{1}{2}$

19 $\dfrac{25}{2}$ $\bigcirc$ $\dfrac{2}{5}$

20 $\dfrac{1}{8}$ $\bigcirc$ $\dfrac{18}{1}$