

Y6 Compare Order Fractions

KS2 Y6 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Which is greater: $\frac{7}{4}$ or $\frac{5}{3}$?

Step 1 · Common denominator: 12 (a multiple of 4 and 3)

$$\frac{7}{4} = \frac{21}{12}, \frac{5}{3} = \frac{20}{12}$$

Step 2 · Compare numerators

$$21 > 20$$

Answer: $\frac{7}{4}$ is greater

Check: $\frac{7}{4} = 1 \frac{3}{4}$ and $\frac{5}{3} = 1 \frac{2}{3}$; $\frac{3}{4} > \frac{2}{3}$ ✓

2. Now try one with the steps

Which is greater: $2 \frac{3}{8}$ or $\frac{17}{8}$?

Step 1 · Change the mixed number to eighths

Step 2 · Compare $\frac{19}{8}$ and $\frac{17}{8}$

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. Which is greater: $\frac{5}{4}$ or $\frac{4}{5}$?

2. Which is greater: $\frac{7}{3}$ or $2 \frac{1}{2}$?

3. Write $<$, $>$ or $=$ to compare: $\frac{9}{4}$ and $2 \frac{1}{4}$

4. Which is greater: $\frac{3}{4}$ or $\frac{5}{8}$?

5. Which is greater: $\frac{2}{3}$ or $\frac{5}{7}$?

6. Which is greater: $1\frac{1}{5}$ or $2\frac{3}{10}$?

7. Order from smallest to largest: $\frac{3}{2}$, $\frac{5}{4}$, $\frac{7}{8}$

8. Order from smallest to largest: $1\frac{2}{3}$, $\frac{7}{4}$, $1\frac{1}{2}$

9. Order from largest to smallest: $\frac{13}{10}$, $\frac{6}{5}$, $1\frac{1}{4}$

10. What fraction is exactly halfway between $1\frac{1}{4}$ and $1\frac{3}{4}$?

11. Write a fraction that is between $\frac{7}{5}$ and $\frac{3}{2}$.

12. Sam ran $2\frac{3}{5}$ km. Ali ran $2\frac{1}{8}$ km. Who ran further?

13. One jug holds $1\frac{3}{4}$ litres and another holds $\frac{9}{5}$ litres. Which holds more?

14. True or false: $\frac{8}{7} > \frac{9}{8}$

15. Using two of the digits 2, 3 and 5, write the largest fraction you can make.

4. Before you hand it in

Saying $\frac{4}{5} > \frac{5}{4}$ because both use 4 and 5.

$\frac{5}{4}$ has a numerator bigger than the denominator, so it is more than 1. $\frac{4}{5}$ is less than 1.

Saying $7/9 > 5/6$ because $7 > 5$ and $9 > 6$.

Find a common denominator: $5/6 = 15/18$ and $7/9 = 14/18$, so $5/6$ is greater.

Comparing $2\frac{3}{8}$ and $17/8$ by looking only at the numerators 3 and 17.

Write both in the same form first: $2\frac{3}{8} = 19/8$.