Ordering fractions

ANSWERS

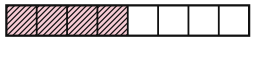
1

Write in order, smallest first.

$\frac{1}{2}$ $\frac{3}{8}$ $\frac{3}{4}$

a denominator they all share **8**

$\frac{1}{2} = \frac{4}{8}$



$\frac{3}{8} = \frac{3}{8}$



$\frac{3}{4} = \frac{6}{8}$



Order $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$

2

Write in order, smallest first.

$\frac{5}{6}$ $\frac{2}{3}$ $\frac{3}{4}$

a denominator they all share **12**

$\frac{5}{6} = \frac{10}{12}$



$\frac{2}{3} = \frac{8}{12}$



$\frac{3}{4} = \frac{9}{12}$



Order $\frac{2}{3}$ $\frac{3}{4}$ $\frac{5}{6}$

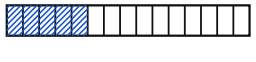
3

Write in order, smallest first.

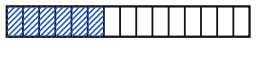
$\frac{1}{3}$ $\frac{2}{5}$ $\frac{4}{15}$

a denominator they all share **15**

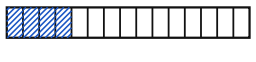
$\frac{1}{3} = \frac{5}{15}$



$\frac{2}{5} = \frac{6}{15}$



$\frac{4}{15} = \frac{4}{15}$



Order $\frac{4}{15}$ $\frac{1}{3}$ $\frac{2}{5}$

4

Write in order, largest first.

$\frac{3}{4}$ $\frac{5}{8}$ $\frac{13}{16}$

a denominator they all share **16**

$\frac{3}{4} = \frac{12}{16}$



$\frac{5}{8} = \frac{10}{16}$



$\frac{13}{16} = \frac{13}{16}$



Order $\frac{13}{16}$ $\frac{3}{4}$ $\frac{5}{8}$

5

Write < or > in each box.

$\frac{4}{9}$ < $\frac{7}{9}$

$\frac{2}{7}$ < $\frac{2}{5}$

$\frac{5}{8}$ > $\frac{5}{12}$

$\frac{3}{4}$ > $\frac{2}{3}$

6

Write in order, smallest first.

$\frac{3}{4}$ $\frac{5}{8}$ $\frac{11}{16}$ $\frac{1}{2}$

$\frac{12}{16}$ $\frac{10}{16}$ $\frac{11}{16}$ $\frac{8}{16}$

Order $\frac{1}{2}$ $\frac{5}{8}$ $\frac{11}{16}$ $\frac{3}{4}$

7

Three phones show how much battery is left. Isla's shows $\frac{3}{4}$, Ravi's shows $\frac{5}{8}$ and Nell's shows $\frac{2}{3}$. Whose phone has the least battery left?

$\frac{18}{24}$ $\frac{15}{24}$ $\frac{16}{24}$

Answer Ravi

8

The two bars are the same length.
Jo says $\frac{1}{8}$ is bigger than $\frac{1}{6}$ because 8 is bigger than 6. Is Jo right?
Explain your answer.



eighths are smaller pieces than sixths

Answer No, $\frac{1}{8} < \frac{1}{6}$

Ordering fractions *further practice*

ANSWERS

9

Write in order, smallest first.

$\frac{5}{6}$ $\frac{3}{4}$ $\frac{7}{8}$ $\frac{2}{3}$

$\frac{20}{24}$ $\frac{18}{24}$ $\frac{21}{24}$ $\frac{16}{24}$

Order $\frac{2}{3}$ $\frac{3}{4}$ $\frac{5}{6}$ $\frac{7}{8}$

10

Write in order, largest first.

$\frac{3}{10}$ $\frac{1}{4}$ $\frac{2}{5}$ $\frac{7}{20}$

$\frac{6}{20}$ $\frac{5}{20}$ $\frac{8}{20}$ $\frac{7}{20}$

Order $\frac{2}{5}$ $\frac{7}{20}$ $\frac{3}{10}$ $\frac{1}{4}$

11

Kit walks $\frac{3}{4}$ km to school, Jade walks $\frac{7}{10}$ km and Ola walks $\frac{4}{5}$ km.

Who walks the furthest?

$\frac{15}{20}$ $\frac{14}{20}$ $\frac{16}{20}$

Answer Ola

12

Which is closer to $\frac{1}{2}$: $\frac{5}{8}$ or $\frac{1}{3}$?

Show your working.

$\frac{12}{24}$ $\frac{15}{24}$ $\frac{8}{24}$

15 is 3 away from 12, 8 is 4 away

Answer $\frac{5}{8}$

13

Which of these fractions are between $\frac{1}{2}$ and $\frac{3}{4}$?

$\frac{5}{8}$ $\frac{5}{6}$ $\frac{2}{3}$ $\frac{5}{12}$

$\frac{1}{2} = \frac{12}{24}$, $\frac{3}{4} = \frac{18}{24}$

$\frac{15}{24}$ $\frac{20}{24}$ $\frac{16}{24}$ $\frac{10}{24}$

Answer $\frac{5}{8}$ and $\frac{2}{3}$

14

Find the whole number that goes in the box.

$\frac{2}{3} < \frac{9}{12} < \frac{5}{6}$

$\frac{8}{12} < \frac{9}{12} < \frac{10}{12}$

15

A plant needs at least $\frac{2}{3}$ litre of water.

Which of these jugs hold enough water on their own?

$\frac{3}{4}$ litre $\frac{5}{8}$ litre $\frac{7}{12}$ litre $\frac{5}{6}$ litre

$\frac{2}{3} = \frac{16}{24}$

$\frac{18}{24}$ $\frac{15}{24}$ $\frac{14}{24}$ $\frac{20}{24}$

Answer $\frac{3}{4}$ and $\frac{5}{6}$ litre

16

Mo says $\frac{7}{8}$ is bigger than $\frac{6}{7}$, because $\frac{7}{8}$ is only $\frac{1}{8}$ away from 1 and $\frac{6}{7}$ is $\frac{1}{7}$ away from 1. Is Mo right?

Explain your answer.

$\frac{1}{8} < \frac{1}{7}$, so $\frac{7}{8}$ is closer to 1

$\frac{49}{56} > \frac{48}{56}$

Answer Yes, $\frac{7}{8} > \frac{6}{7}$