

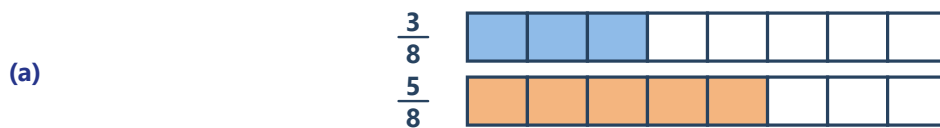
Year 4: Comparing and ordering fractions: answers

Year 4 - Fractions - Lesson 5.5

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch05-fractions/comparing-and-ordering-fractions/

Exercise 5E Comparing and ordering fractions Non-calculator

1 Which fraction is bigger? The bars will help you.



$\frac{3}{8}$ or $\frac{5}{8}$

Answer: $\frac{5}{8}$



$\frac{7}{10}$ or $\frac{4}{10}$

Answer: $\frac{7}{10}$



$\frac{2}{5}$ or $\frac{1}{5}$

Answer: $\frac{2}{5}$

2 Quick-fire! Write <, > or = in each box.

(a) $\frac{2}{5}$ [] $\frac{4}{5}$

Answer: <

(b) $\frac{7}{8}$ [] $\frac{3}{8}$

Answer: >

(c) $\frac{5}{9}$ [] $\frac{5}{9}$

Answer: =

(d) $\frac{1}{6}$ [] $\frac{5}{6}$

Answer: <

(e) $\frac{9}{10}$ [] $\frac{7}{10}$

Answer: >

(f) $\frac{4}{12}$ [] $\frac{11}{12}$

Answer: <

3 Quick-fire! These are unit fractions. Write < or > in each box.

(a) $\frac{1}{4}$ [] $\frac{1}{6}$

Answer: >

(b) $\frac{1}{3}$ [] $\frac{1}{2}$

Answer: <

(c) $\frac{1}{10}$ [] $\frac{1}{5}$

Answer: <

(d) $\frac{1}{8}$ [] $\frac{1}{12}$

Answer: >

(e) $\frac{1}{2}$ [] $\frac{1}{9}$

Answer: >

(f) $\frac{1}{7}$ [] $\frac{1}{4}$

Answer: <

4 Write each set of fractions in order, smallest first.

(a) $\frac{3}{7}, \frac{6}{7}, \frac{1}{7}, \frac{5}{7}$

Answer: $\frac{1}{7}, \frac{3}{7}, \frac{5}{7}, \frac{6}{7}$

(b) $\frac{5}{6}, \frac{2}{6}, \frac{4}{6}$

Answer: $\frac{2}{6}, \frac{4}{6}, \frac{5}{6}$

(c) $\frac{8}{10}, \frac{3}{10}, \frac{9}{10}, \frac{1}{10}$

Answer: $\frac{1}{10}, \frac{3}{10}, \frac{8}{10}, \frac{9}{10}$

5 These are all unit fractions. Write them in order, biggest first.

(a) $\frac{1}{3}, \frac{1}{8}, \frac{1}{5}$

Answer: $\frac{1}{3}, \frac{1}{5}, \frac{1}{8}$

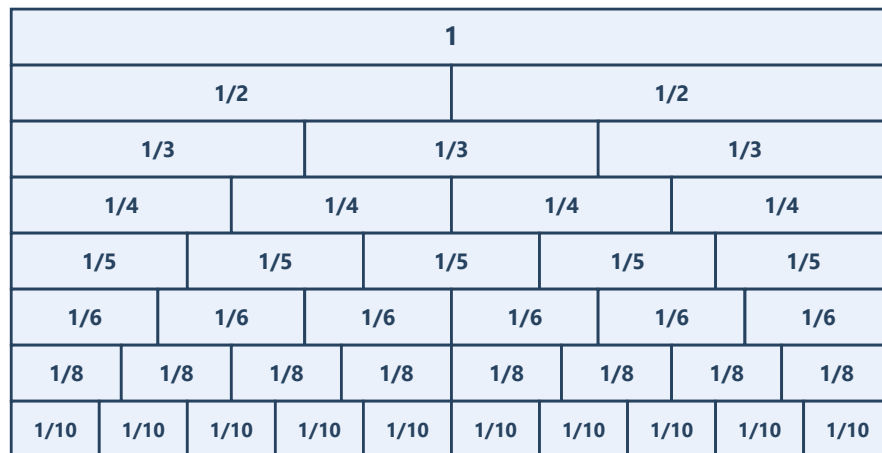
(b) $\frac{1}{10}, \frac{1}{2}, \frac{1}{4}, \frac{1}{5}$

Answer: $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}, \frac{1}{10}$

(c) $\frac{1}{12}, \frac{1}{6}, \frac{1}{3}$

Answer: $\frac{1}{3}, \frac{1}{6}, \frac{1}{12}$

6 Use the fraction wall or equivalent fractions. Write < or > in each box.



(a) $\frac{1}{2}$ [] $\frac{3}{8}$

Answer: >

(b) $\frac{3}{4}$ [] $\frac{5}{8}$

Answer: >

(c) $\frac{2}{3}$ [] $\frac{5}{6}$

Answer: <

(d) $\frac{1}{4}$ [] $\frac{3}{8}$

Answer: <

(e) $\frac{2}{5}$ [] $\frac{7}{10}$

Answer: <

7 Is each fraction more than, less than or equal to a half?

(a) $\frac{3}{8}$ is ... $\frac{1}{2}$

Answer: less than

(b) $\frac{7}{12}$ is ... $\frac{1}{2}$

Answer: more than

(c) $\frac{5}{10}$ is ... $\frac{1}{2}$

Answer: equal to

(d) $\frac{4}{6}$ is ... $\frac{1}{2}$

Answer: more than

(e) $\frac{3}{10}$ is ... $\frac{1}{2}$

Answer: less than

(f) $\frac{6}{12}$ is ... $\frac{1}{2}$

Answer: equal to

8 Write each set of fractions in order. Change the fractions so they have the same bottom number first.

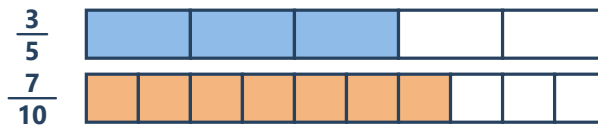
(a) Smallest first: $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$

Answer: $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$

(b) Biggest first: $\frac{5}{6}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{6}$

Answer: $\frac{5}{6}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{6}$

9 Amira drinks $\frac{3}{5}$ of a bottle of water. Jack drinks $\frac{7}{10}$ of an identical bottle. Who drinks more water? Show how you know.



Answer: Jack ($\frac{7}{10}$)

10 Priya eats $\frac{3}{8}$ of a bar of chocolate. Sam eats $\frac{1}{2}$ of an identical bar. Leo eats $\frac{5}{8}$ of another identical bar. Write the fractions in order, biggest first.

Answer: $\frac{5}{8}$, $\frac{1}{2}$, $\frac{3}{8}$

11 Tom says, " $\frac{1}{8}$ is bigger than $\frac{1}{4}$, because 8 is bigger than 4." Is Tom right? Explain.

Answer: No. $\frac{1}{4}$ is bigger

12 Which fraction is the odd one out? $\frac{5}{8}$, $\frac{4}{6}$, $\frac{3}{10}$, $\frac{7}{12}$. Explain.

Answer: $\frac{3}{10}$

13 Always, sometimes or never? The fraction with the bigger bottom number is the smaller fraction.

Answer: Sometimes

- 14** How many fractions with a bottom number of 8 are bigger than $\frac{1}{4}$ and smaller than $\frac{5}{8}$? Write them down.

Answer: 2 ($\frac{3}{8}$ and $\frac{4}{8}$)