Try Number Sense Card 244B

Compare Fractions

Example 1 **Compare. Write < or >.**

$\frac{1}{2} \square \frac{5}{6}$

Step 1 **Find a common denominator.**

What is the lowest common multiple of 2 and 6? 6

6 is the lowest common denominator.

Step 2 **Rewrite the fractions using the common denominator.**

Since $\frac{5}{6}$ already has a denominator of 6, it does not have to be rewritten.

$\frac{1 \times 3}{2 \times 3} = \frac{3}{6}$

$2 \times \square = 6?$
$2 \times 3 = 6$

Step 3 **Compare the fractions.**

$\frac{3}{6} \square \frac{5}{6}$

Since $3 < 5$,

$\frac{3}{6} < \frac{5}{6}$.

So, $\frac{1}{2} < \frac{5}{6}$.

Answer: <

Set A **Compare. Write < or >.**

1. $\frac{1}{2} \square \frac{3}{4}$
2. $\frac{2}{3} \square \frac{5}{12}$
3. $\frac{5}{6} \square \frac{2}{3}$
4. $\frac{1}{3} \square \frac{8}{9}$
5. **Solve.** Rena spent $0.86 on stamps. She has $2.89 left. How much money did she start with?
6. $\frac{2}{5} \square \frac{3}{10}$
7. $\frac{3}{8} \square \frac{1}{4}$
8. $\frac{3}{4} \square \frac{7}{12}$
9. $\frac{1}{3} \square \frac{2}{9}$
10. **Solve.** Gary's mother built a sandbox for the backyard. The three sides measured 6 ft, 7 ft, and $7\frac{1}{2}$ ft. What type of triangle was formed?

Skill: Compare fractions with different denominators.

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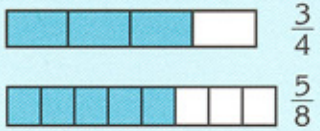
Example 2

Compare. Write < or >.

$\frac{3}{4} \square \frac{5}{8}$



$\frac{3}{4} > \frac{5}{8}$

Answer: >

Set B

Compare. Write < or >.

1. $\frac{1}{2} \square \frac{7}{12}$
2. $\frac{1}{6} \square \frac{5}{12}$
3. $\frac{5}{6} \square \frac{1}{3}$
4. $\frac{4}{9} \square \frac{1}{3}$
5. $\frac{3}{5} \square \frac{1}{10}$
6. $\frac{7}{8} \square \frac{1}{2}$
7. $\frac{1}{4} \square \frac{5}{12}$
8. $\frac{1}{2} \square \frac{3}{10}$

9. **Solve.** The stadium announcer reports that the attendance of today's baseball game is 38,217. Round this number to the nearest thousand.

10. **Solve.** How many thousandths are in 0.307?

Set C

Compare. Write < or >.

1. $\frac{5}{9} \square \frac{2}{3}$
2. $\frac{1}{3} \square \frac{2}{12}$
3. $\frac{1}{3} \square \frac{2}{9}$
4. $\frac{3}{5} \square \frac{7}{10}$
5. $\frac{1}{2} \square \frac{9}{10}$
6. $\frac{1}{6} \square \frac{2}{3}$
7. $\frac{5}{6} \square \frac{5}{12}$
8. $\frac{1}{8} \square \frac{3}{4}$

9. **Solve.** How many right angles can a triangle have?

10. **Solve.** If the factory can make 18 cars per day, how many cars can it make in 5 days?

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244A
Answers

Set A	▶
1.	<
2.	>
3.	>
4.	<
5.	$3.75
6.	>
7.	>
8.	>
9.	>
10.	scalene triangle

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244A
Answers

Set B	▶
1.	<
2.	<
3.	>
4.	>
5.	>
6.	>
7.	<
8.	>
9.	38,000
10.	7 thousandths

Set C	▶
1.	<
2.	>
3.	>
4.	<
5.	<
6.	<
7.	>
8.	<
9.	1 right angle
10.	90 cars