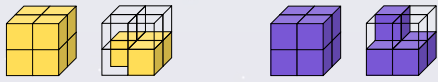


To be able to compare and order improper fractions and mixed numbers

MathShed

Starter:
What's the same? What's different?



Explain your answer.

To be able to compare and order improper fractions and mixed numbers


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Activity 1:
Use bar models to compare the following:

a) $\frac{5}{3}$ ○ $\frac{7}{6}$

b) $\frac{4}{3}$ ○ $\frac{17}{12}$

c) $\frac{7}{4}$ ○ $\frac{15}{8}$



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Activity 2:
Use bar models to compare the following:

a) $1\frac{7}{8}$ ○ $1\frac{1}{4}$

b) $1\frac{2}{3}$ ○ $1\frac{7}{9}$

c) $2\frac{1}{6}$ ○ $2\frac{5}{12}$



To be able to compare and order fractions

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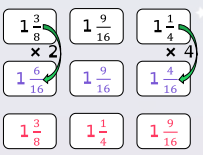
Activity 3:
Re-arrange the following mixed numbers in order from smallest to greatest.

a) $1\frac{7}{8}$ $1\frac{1}{2}$ $1\frac{3}{4}$

b) $1\frac{2}{3}$ $1\frac{3}{4}$ $1\frac{7}{12}$

c) $1\frac{7}{8}$ $1\frac{11}{16}$ $1\frac{3}{4}$


d) $1\frac{9}{10}$ $1\frac{17}{20}$ $1\frac{3}{5}$



To be able to compare and order fractions

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Activity 4:
Ruth and Yasmin have two of the same cakes each.



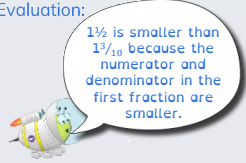
Ruth says, "I have cut both of my cakes into ten equal slices and sold thirteen slices."
Yasmin says, "I have cut both of my cakes into five equal slices and sold nine slices."

Who has sold the most cake?
Explain your answer.

To be able to compare and order improper fractions and mixed numbers

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Evaluation:
 $1\frac{3}{5}$ is smaller than $1\frac{3}{10}$ because the numerator and denominator in the first fraction are smaller.



Do you agree?
Provide bar models to explain your answer.