Slide 1

To be able to represent fractions greater than 1 using a number line

MathShed

Starter:
Draw arrows to estimate $^1/_2$, $^1/_3$ and $^1/_4$, then complete the comparisons.

$^1/_2$	◯	$^1/_4$
$^1/_3$	◯	$^1/_2$
$^1/_4$	◯	$^1/_2$

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Activity 1:

Write four fractions that are equal to 1. What do you notice?

Complete the number line below.

| 0 | | $^2/_4$ | $^3/_4$ | | | |

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Activity 2:
Estimate where $^2/_3$ would go on the number line below.

Estimate where 1 and $^3/_4$ would go on the number line below.

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Activity 3:
Place the fractions in the correct column within the table below.

$\dfrac{7}{10}$ $\dfrac{8}{3}$ $\dfrac{7}{6}$ $\dfrac{10}{10}$

$\dfrac{3}{5}$ $\dfrac{11}{10}$ $\dfrac{3}{3}$ $\dfrac{5}{8}$ $\dfrac{8}{8}$

fractions less than 1	fractions equal to 1	fractions greater than 1

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Activity 4:
Place the fraction represented by the diagram on the number line below.

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Activity 4 (continued):
Place the fraction represented by the diagram on the number line below.

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Evaluation:

One third is less
than one sixth.

0 ——————————|———→ 1

Do you agree?
Use the number line above to help explain your answer.