Homework/Extension
Step 4: Compare Fractions

National Curriculum Objectives:

Mathematics Year 3: (3F3) Compare and order unit fractions and fractions with the same denominators

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Circle the correct comparisons to complete the sentences. Unit fractions or fractions with the same denominator. Halves, quarters and thirds only. With pictorial support.
Expected Circle the correct comparisons to complete the sentences. Unit fractions or fractions with the same denominator within twelfths. Some pictorial support.
Greater Depth Circle the correct comparisons to complete the sentences. Unit and non-unit fractions with different denominators within twelfths using knowledge of equivalent fractions. Some pictorial support.

Questions 2, 5 and 8 (Varied Fluency)
Developing Place the fractions in the correct places to complete the number sentences. Unit fractions or fractions with the same denominator. Halves, quarters and thirds only. With pictorial support.
Expected Place the fractions in the correct places to complete the number sentences. Unit fractions or fractions with the same denominator within twelfths.
Greater Depth Place the fractions in the correct places to complete the number sentences. Unit and non-unit fractions with different denominators within twelfths using knowledge of equivalent fractions.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Explain if the statement is correct or not. Unit fractions or fractions with the same denominator. Halves, quarters and thirds only. With pictorial support.
Expected Explain if the statement is correct or not. Unit fractions or fractions with the same denominator within twelfths.
Greater Depth Explain if the statement is correct or not. Unit fractions or fractions with the same denominator within twelfths using knowledge of equivalent fractions.

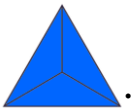
More Year 3 Fractions resources.

Did you like this resource? Don't forget to review it on our website.

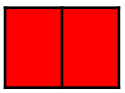
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Compare Fractions

1. Circle the correct comparison in each sentence.

A.  is greater than / smaller than .

B.  is greater than / smaller than .

C.  is greater than / smaller than .

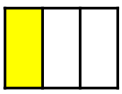
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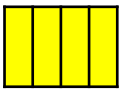
VF
HW/Ext

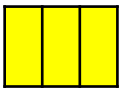
2. Put the fractions in the correct place to complete the number sentences.

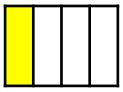
A. $\frac{3}{4} > \frac{\square}{4} < \frac{\square}{4}$

B. $\frac{2}{3} > \frac{\square}{3} < \frac{\square}{3}$

$\frac{1}{3}$ 

$\frac{4}{4}$ 

$\frac{3}{3}$ 

$\frac{1}{4}$ 

D

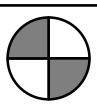
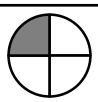
VF
HW/Ext

3. Marcia conducted a survey in her class. Here are the results of her survey.
Marcia says:



I think that maths is the most popular lesson because $\frac{2}{4}$ is three times bigger than $\frac{1}{4}$.

Is she correct? Explain your answer.

Favourite lesson	Number of responses as a fraction	Fraction
Maths	$\frac{2}{4}$	
English	$\frac{1}{4}$	
PE	$\frac{1}{4}$	

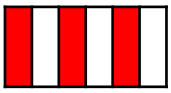
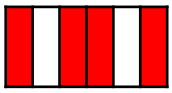
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RPS
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Compare Fractions

4. Circle the correct comparison in each sentence.

A.  is greater than / smaller than  .

B. $\frac{6}{7}$ is greater than / smaller than $\frac{3}{7}$.

C.  is greater than / smaller than  .

E

VF
HW/Ext

5. Put the fractions in the correct place to complete the number sentences.

A. $\frac{1}{3} > \frac{\square}{\square} < \frac{\square}{\square}$

B. $\frac{\square}{\square} > \frac{4}{8} < \frac{\square}{\square}$

$\frac{6}{8}$ $\frac{1}{6}$ $\frac{10}{11}$ $\frac{1}{12}$

E

VF
HW/Ext

6. Scarlett conducted a survey in her class. Here are the results of her survey.
Scarlett says:



I think that banana is the most popular fruit because $\frac{1}{6}$ has the largest denominator.

Is she correct? Explain your answer.

Favourite fruit	Number of responses as a fraction
Apple	$\frac{1}{3}$
Banana	$\frac{1}{6}$
Strawberry	$\frac{1}{2}$

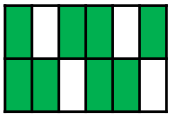
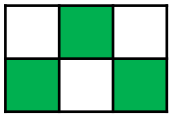
E

RPS
HW/Ext

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Compare Fractions

7. Circle the correct comparison in each sentence.

A.  is greater than / smaller than / equal to  .

B. $\frac{4}{8}$ is greater than / smaller than / equal to $\frac{1}{2}$.

C. $\frac{4}{11}$ is greater than / smaller than / equal to $\frac{3}{7}$.

GD

VF
HW/Ext

8. Put the fractions in the correct place to complete the number sentences.

A. $\frac{2}{3} = \frac{\square}{\square} < \frac{\square}{\square}$

B. $\frac{\square}{\square} > \frac{4}{10} = \frac{\square}{\square}$

$\frac{6}{8}$ $\frac{10}{12}$ $\frac{2}{5}$ $\frac{6}{9}$

GD

VF
HW/Ext

9. Ahmed conducted a survey in his class. Here are the results of his survey.

Ahmed says:



I think that green is the most popular colour because 3 is the largest numerator.

Is he correct? Explain your answer.

Favourite colour	Number of responses as a fraction
Red	$\frac{1}{3}$
Blue	$\frac{1}{6}$
Green	$\frac{3}{9}$
Yellow	$\frac{2}{12}$

GD

RPS
HW/Ext

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Homework/Extension
Compare Fractions

Developing

1. A. smaller than B. greater than C. greater than
2. A. $\frac{1}{4}$; $\frac{4}{4}$ B. $\frac{1}{3}$; $\frac{3}{3}$
3. She is incorrect because $\frac{2}{4}$ is twice as big as $\frac{1}{4}$.

Expected

4. A. smaller than B. greater than C. greater than
5. A. $\frac{1}{12}$; $\frac{1}{6}$ B. $\frac{6}{8}$; $\frac{10}{11}$
6. She is incorrect because $\frac{1}{2}$ is the largest fraction. The smaller the denominator, the smaller the fraction.

Greater Depth

7. A. greater than B. equal to C. smaller than
8. A. $\frac{6}{9}$; $\frac{10}{12}$ or $\frac{6}{8}$ B. $\frac{10}{12}$ or $\frac{6}{8}$; $\frac{2}{5}$
9. He is incorrect because $\frac{1}{3}$ is equal to $\frac{3}{9}$ so both green and red are the most popular colours.

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