White Rose MATHS

1 Write < , > or = to compare the fractions.

Use the bar models to help you.

a)

$\frac{5}{8}$ ◯ $\frac{3}{8}$

b)

$\frac{5}{8}$ ◯ $\frac{7}{8}$

c)
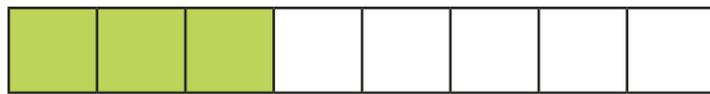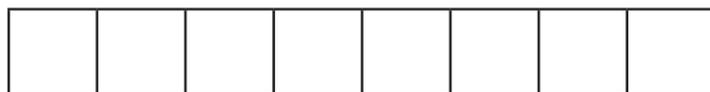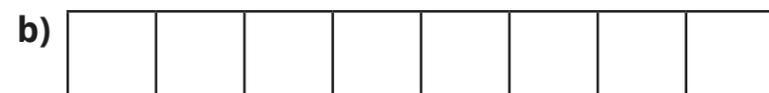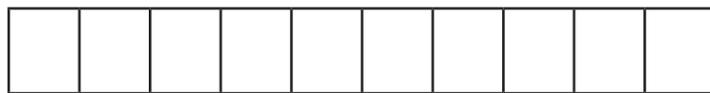
$\frac{5}{10}$ ◯ $\frac{7}{10}$

What do you notice?

2 Here are some bar models.

a) Shade the bar models to show the fractions.

 $\frac{1}{5}$ $\frac{3}{5}$

 $\frac{2}{5}$ $\frac{4}{5}$

b) Write < or > to compare the fractions.

$\frac{1}{5}$ ◯ $\frac{3}{5}$ $\frac{4}{5}$ ◯ $\frac{1}{5}$ $\frac{0}{5}$ ◯ $\frac{1}{5}$

$\frac{4}{5}$ ◯ $\frac{3}{5}$ $\frac{2}{5}$ ◯ $\frac{3}{5}$ $\frac{5}{5}$ ◯ $\frac{4}{5}$

What do you notice?

3 Use the word bank to complete the sentence.

| numerator | denominator | greater | smaller |

When fractions have the same _____ , the
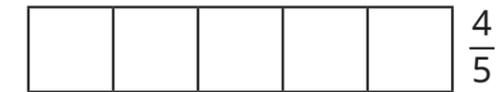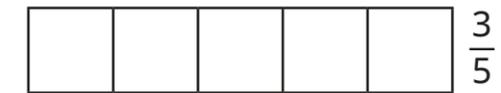
_____ the _____ the _____

the fraction.

Compare answers with a partner.

4 Write <, > or = to compare the fractions.

a) $\dfrac{5}{6}$ ◯ $\dfrac{2}{6}$ d) $\dfrac{6}{7}$ ◯ $\dfrac{2}{7}$
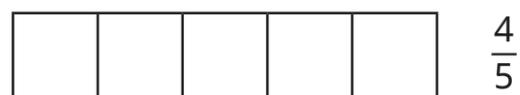
b) $\dfrac{1}{6}$ ◯ $\dfrac{2}{6}$ e) $\dfrac{6}{13}$ ◯ $\dfrac{12}{13}$
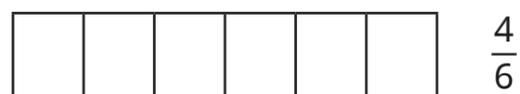
c) $\dfrac{2}{7}$ ◯ $\dfrac{6}{7}$ f) $\dfrac{13}{15}$ ◯ $\dfrac{13}{15}$

5 Here are some bar models.

a) Shade the bar models to show the fractions.

$\dfrac{4}{5}$

$\dfrac{4}{6}$

$\dfrac{4}{7}$

What do you notice?

b) Write < or > to compare the fractions.

$\dfrac{4}{5}$ ◯ $\dfrac{4}{7}$ $\dfrac{4}{7}$ ◯ $\dfrac{4}{8}$ $\dfrac{9}{11}$ ◯ $\dfrac{9}{15}$

$\dfrac{4}{6}$ ◯ $\dfrac{4}{5}$ $\dfrac{4}{13}$ ◯ $\dfrac{4}{17}$ $\dfrac{27}{33}$ ◯ $\dfrac{27}{142}$

6 Write the fractions in order, starting with the smallest.

a)

| $\dfrac{1}{9}$ | $\dfrac{8}{9}$ | $\dfrac{4}{9}$ | $\dfrac{2}{9}$ | $\dfrac{7}{9}$ |

b)

| $\dfrac{2}{9}$ | $\dfrac{2}{3}$ | $\dfrac{2}{7}$ | $\dfrac{2}{29}$ | $\dfrac{2}{41}$ |

c)

| $\dfrac{3}{8}$ | $\dfrac{4}{5}$ | $\dfrac{1}{8}$ | $\dfrac{7}{7}$ | $\dfrac{3}{5}$ |

7 Use the digit cards to work out what the fractions could be.

You can use the digit cards more than once each time.

| **1** | **2** | **4** | **5** | **9** |

$\dfrac{2}{9} <$ ▢ $<$ ▢ < 1

How many solutions can you find?

Are there any digit cards that you could not use?

Compare answers with a partner.

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