



Joyfulmathswithruth

# Functional Skills and GCSE Foundation

Edexcel

## Unit 1: Number Lesson 11 - ordering fractions

FS1

FS2

GCSE

iGCSE

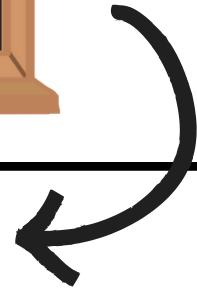
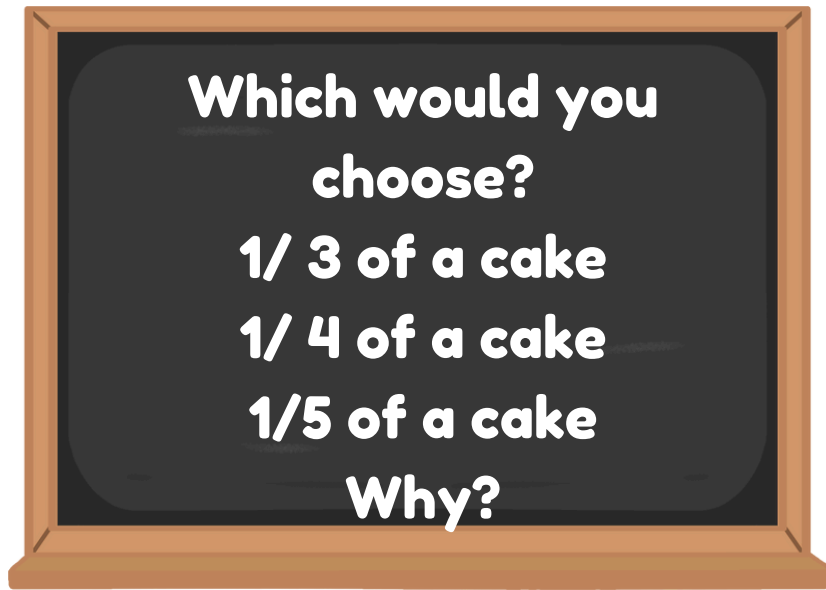
To join in please bring:



**A slice of bread (or something similar you can chop up), an apple (or something similar you can chop up), a knife and an adult that can supervise use of knife**

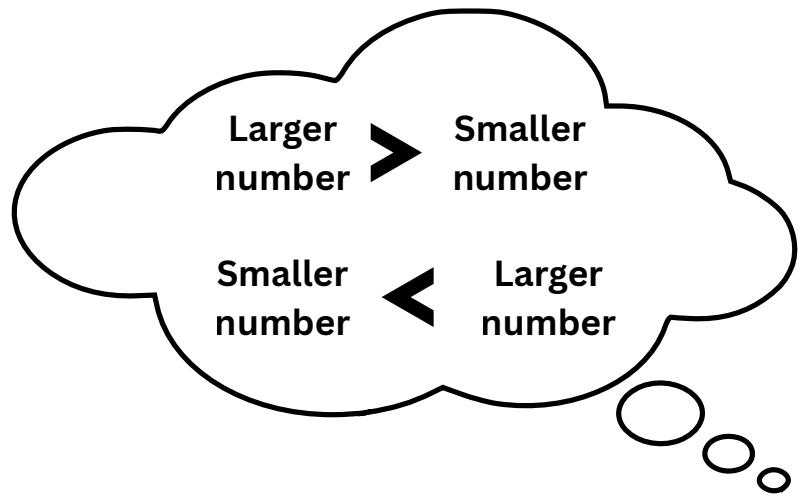


# Start thinking:



# Smaller or larger

$$\begin{array}{c} \underline{1} \\ 5 \end{array} \quad \square \quad \begin{array}{c} \underline{1} \\ 3 \end{array}$$



$$\begin{array}{c} \underline{1} \\ 2 \end{array} \quad \square \quad \begin{array}{c} \underline{1} \\ 4 \end{array}$$

$$\begin{array}{c} \underline{1} \\ 3 \end{array} \quad \square \quad \begin{array}{c} \underline{1} \\ 4 \end{array}$$

$$\begin{array}{c} \underline{1} \\ 6 \end{array} \quad \square \quad \begin{array}{c} \underline{1} \\ 5 \end{array}$$

$$\begin{array}{c} \underline{1} \\ 8 \end{array} \quad \square \quad \begin{array}{c} \underline{1} \\ 7 \end{array}$$

$$\begin{array}{c} \underline{1} \\ 12 \end{array} \quad \square \quad \begin{array}{c} \underline{1} \\ 10 \end{array}$$

# Fraction Wall



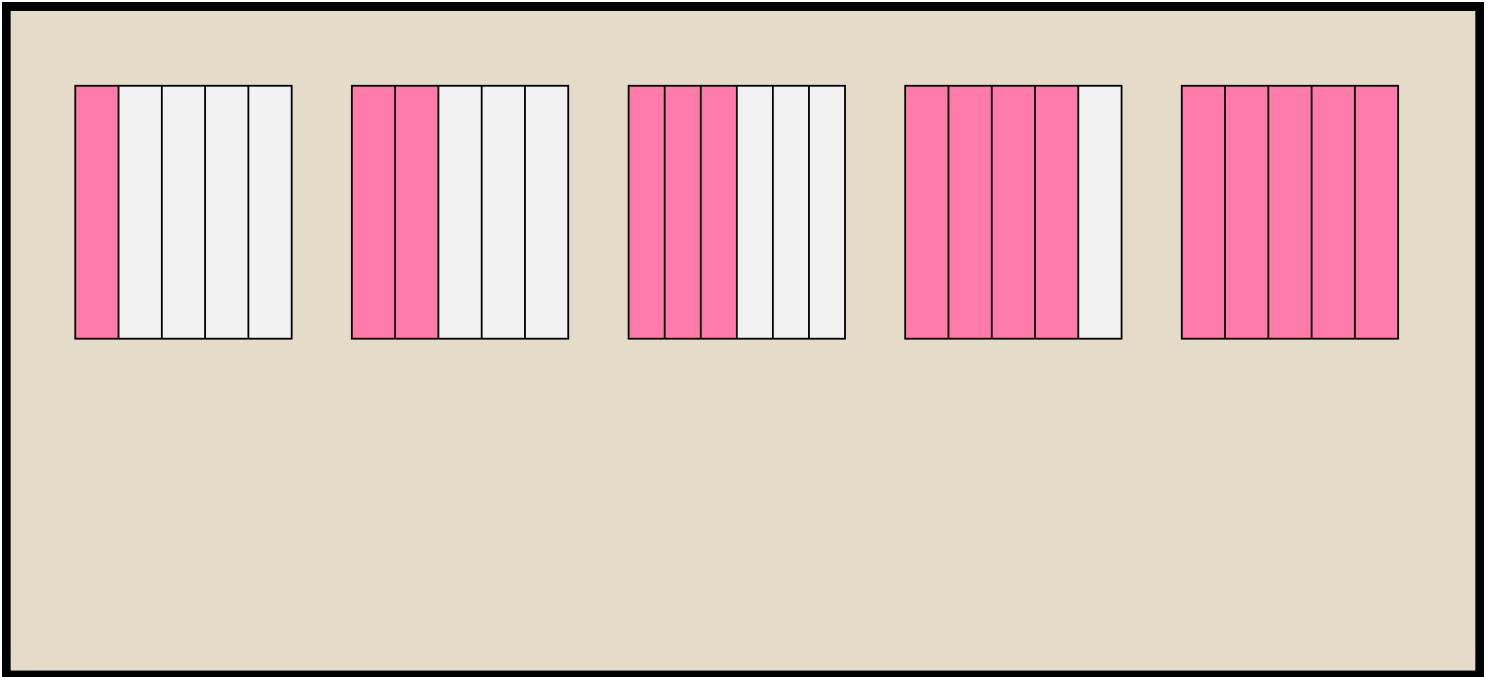
**Fraction Wall**

<https://www.transum.org/>

**Joyfulmathswithruth**

FS1	<input checked="" type="checkbox"/>
FS2	<input checked="" type="checkbox"/>
GCSE	<input checked="" type="checkbox"/>
iGCSE	<input checked="" type="checkbox"/>

# What do you notice?



## Equivalent fractions

$$\frac{1}{2} =$$

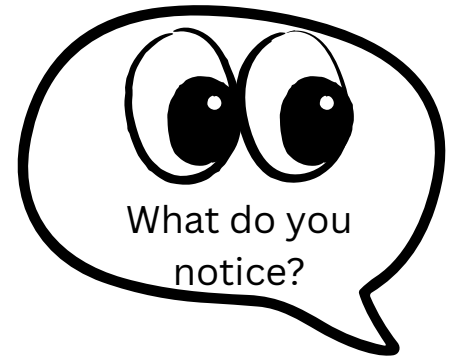
$$\frac{1}{3} =$$

$$\frac{1}{8} =$$

$$\frac{3}{5} =$$

# Equivalent fractions

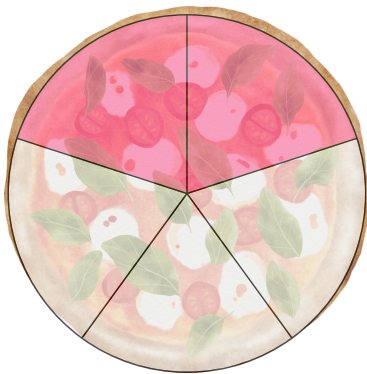
$$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10}$$



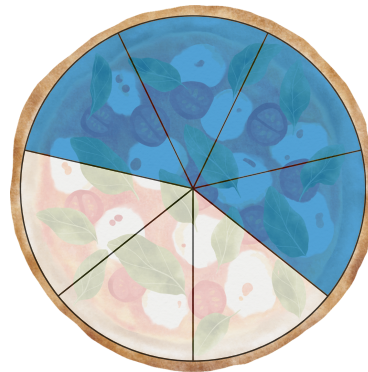
$$\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12} = \frac{5}{15}$$

$$\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16} = \frac{5}{20}$$

# Equivalent fractions



**2/5 of a pizza**



**4/7 of a pizza**

Which is larger?

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

$$\frac{4}{7}$$

5	7
10	14
15	21
20	28
25	35
30	42
35	49
40	

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$$\begin{array}{r} \frac{2}{5} \\ \times 7 \\ \hline ? \\ \hline 35 \end{array}$$

$$\begin{array}{r} \frac{4}{7} \\ \times 5 \\ \hline ? \\ \hline 35 \end{array}$$

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

$$\frac{4}{7}$$

$$\frac{14}{35}$$

$$\frac{20}{35}$$



# True or false?

1  
5



2  
5

1  
5



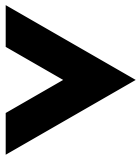
2  
5

2  
3



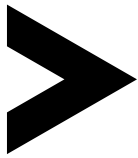
5  
6

5  
8



3  
5

3  
4



5  
7



I only have  
time to do 3  
questions

# At home:

## 1. Order from smallest to largest

a)  $\frac{2}{7}$ ,  $\frac{5}{7}$ ,  $\frac{1}{7}$ ,  $\frac{6}{7}$ , 0

b)  $\frac{2}{4}$ ,  $\frac{2}{9}$ ,  $\frac{2}{6}$ ,  $\frac{2}{3}$ ,  $\frac{2}{7}$

## 2. Circle the larger fraction

$\frac{5}{6}$      $\frac{9}{11}$

## 3. Put the fractions in ascending order (smallest to largest)

$\frac{1}{3}$ ,  $\frac{7}{20}$ ,  $\frac{2}{5}$ ,  $\frac{3}{8}$



# At home:

Calculate and write down a fraction that comes  
between  $\frac{5}{6}$  and  $\frac{7}{8}$



## Practice questions

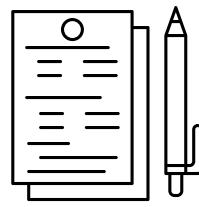
# At home:

This is a nice little problem on Transum that you could explore  
Fractangle

There is also lots of practice to be had on this corbett maths worksheet

Answers here

*There are a lot of questions here - I would be inclined to just to 3 or 4 at each level, unless you feel you want more practice*



# Exam questions

## At home:

### FFS 2 and GCSE and iGCSE:

Here are a set of past exam style questions from Corbett  
maths

Answers here

*If you are working towards iGCSE, ignore that it say's non  
calculator*