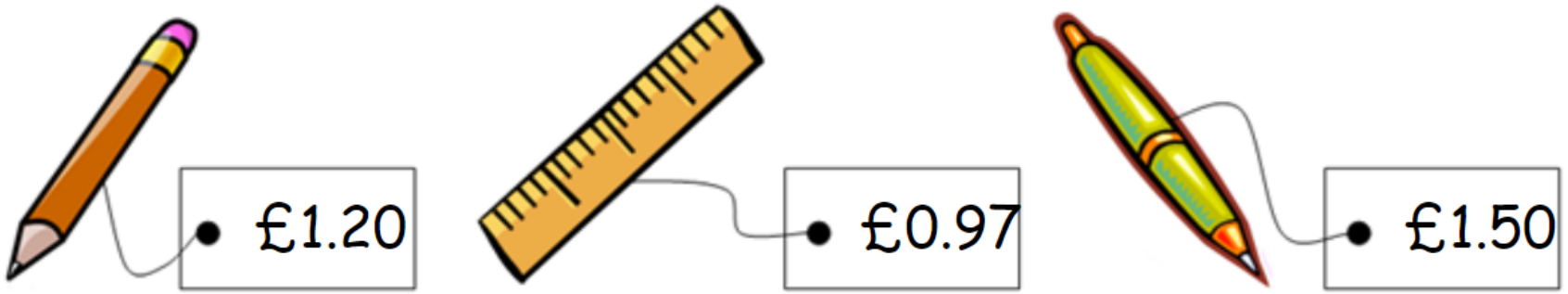
Day 2 Starter



Pencil + Ruler		2 Pencils + 2 Rulers + 2 Pens	
Pen + Pencil		3 Rulers + 2 Pencils	
3 Rulers		3 Rulers + 3 Pencils	
Pencil + Ruler + Pen		Pencil + 2 Rulers + 3 Pens	
5 Pencils		10 Pencils	
Pen + Pencil + Ruler		20 Pencils	
10 Pens		6 Pens + 7 Pencils	

Day 2 – Ordering and Simplifying Fractions

Video Link: https://vimeo.com/467396285 This is a link for how to simplify fractions.

Video Link: https://vimeo.com/470094736 This is a link for how to order fractions.

In order to order fractions, you must first give them all the same denominator. Once they all have a common denominator, the smaller the numerator, the smaller the fraction. 2/4 is smaller than 3/4.

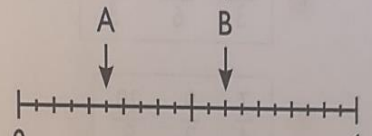
Spend 15 mins on simplifying, then 15 mins on ordering.

Set B

Simplify these fractions:

1. $\frac{15}{45}$
2. $\frac{9}{36}$
3. $\frac{14}{35}$
4. $\frac{30}{36}$

Identify the fractions shown by the arrows below, giving your answers in their simplest forms.



5. A
6. B

Look at the fractions in the box below.

$\frac{15}{18}$	$\frac{25}{30}$	$\frac{20}{30}$	$\frac{32}{40}$	$\frac{80}{100}$

Which fractions simplify to:

7. have a denominator of 3?
8. have a denominator of 5?

Set C

Each fraction below has been simplified.

Find the missing numbers.

1. $\frac{\square}{8} \rightarrow \frac{3}{4}$
2. $\frac{24}{36} \rightarrow \frac{2}{\square}$
3. $\frac{30}{\square} \rightarrow \frac{5}{9}$

Simplify these fractions:

4. $\frac{27}{45}$
5. $\frac{48}{72}$
6. $\frac{24}{88}$
7. $\frac{115}{200}$

8. Write a fraction, with a denominator of 20, that simplifies to $\frac{3}{4}$.
9. Reece says:

"$\frac{45}{75}$ is equivalent to $\frac{120}{200}$".

Simplify each fraction to show if he is correct.

Set B

Which fraction is smaller:

1. $\frac{1}{4}$ or $\frac{2}{7}$?
2. $\frac{5}{7}$ or $\frac{2}{3}$?
3. $1\frac{5}{9}$ or $\frac{15}{9}$?
4. $\frac{27}{12}$ or $2\frac{1}{12}$?
5. $\frac{2}{5}$ or $\frac{4}{11}$?

Find the smallest improper fraction in each list:

6. $\frac{13}{3}$ $\frac{10}{6}$ $\frac{7}{3}$
7. $\frac{7}{4}$ $\frac{9}{2}$ $\frac{20}{8}$
8. $\frac{6}{5}$ $\frac{25}{20}$ $\frac{5}{2}$

Order the fractions below, starting with the smallest:

9. $2\frac{1}{2}$ $\frac{7}{2}$ $\frac{6}{4}$
10. $\frac{24}{10}$ $\frac{11}{5}$ $3\frac{1}{5}$ $1\frac{3}{5}$
11. $\frac{11}{9}$ $1\frac{2}{3}$ $1\frac{5}{9}$ $\frac{7}{3}$

Set C

Which fraction is smallest:

1. $\frac{3}{5}$, $\frac{2}{6}$ or $\frac{7}{30}$?
2. $\frac{7}{8}$, $\frac{4}{5}$ or $\frac{17}{20}$?
3. $1\frac{1}{12}$, $\frac{7}{6}$ or $\frac{67}{60}$?
4. $4\frac{1}{5}$, $\frac{43}{10}$ or $4\frac{7}{20}$?
5. $\frac{19}{8}$, $\frac{29}{12}$ or $2\frac{2}{3}$?

Look at the improper fractions in the box below.

$\frac{8}{5}$	$\frac{12}{10}$	$\frac{55}{50}$	$\frac{28}{25}$

True or false?

6. $\frac{55}{50}$ is the smallest fraction.
7. Two fractions are smaller than $\frac{115}{100}$.

Three friends go jogging:

- Carlos jogs $3\frac{2}{3}$ km
- Felicia jogs $\frac{16}{9}$ km
- Rory jogs $\frac{47}{18}$ km

Who jogs:

8. the greatest distance?
9. the smallest distance?

can order and compare