1) Compare these fractions using the < and > symbols. Show your working out using common denominators.

$\frac{5}{8}$ ☐ $\frac{4}{7}$

$\frac{7}{12}$ ☐ $\frac{3}{7}$

$1\frac{3}{4}$ ☐ $1\frac{8}{9}$

$1\frac{3}{5}$ ☐ $1\frac{2}{3}$

2) Put these fractions in order from smallest to greatest. Show your working out using common denominators.

$\frac{13}{15}$ $\frac{5}{6}$ $\frac{9}{10}$

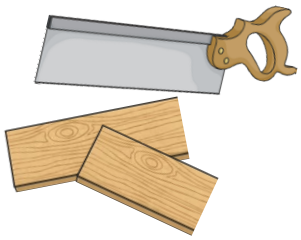
smallest ☐ ☐ ☐ greatest

1) One fraction in this comparison statement is incorrect.

Identify which one and explain your reasoning.

$$\frac{1}{8} < \frac{1}{7} < \frac{4}{14} < \frac{20}{28} < \frac{32}{56}$$

2) Majid is sawing two pieces of wood to make a stand for his telescope.
He cuts both pieces of wood to 1 metre in length.



A

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

B

$\frac{7}{11}$ = 1 metre

Do you agree? Explain your reasoning.

1) Some of the numerators and denominators are missing from this comparison statement.

$$\frac{2}{\square} < \frac{\square}{6} < \frac{\square}{9} < \frac{20}{\square}$$

Can you find different ways to make it mathematically correct?

2) Use the numbers in the stars to find as many possible answers to the challenge.

a) Create four improper fractions which all have different denominators and place them in descending order. Show your working out using common denominators.

b) Create four proper fractions which all have different denominators and place them in ascending order. Show your working out using common denominators.