Comparing fractions II

Mathematics

Mr Coward

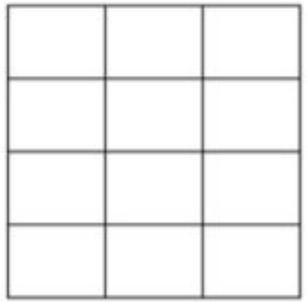
Try this

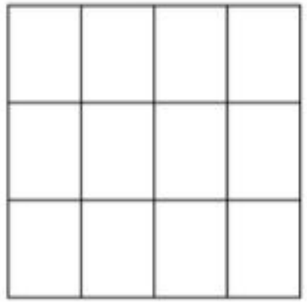
Find three ways to shade $\frac{1}{4}$ of a square.

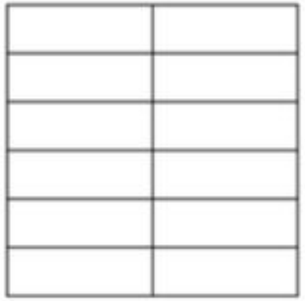
Find three ways to shade $\frac{3}{8}$ of a square.

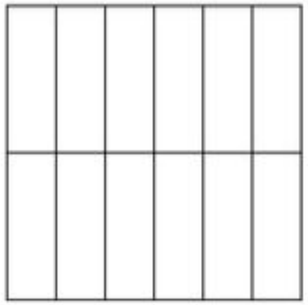
Independent task

1) a) Shade in the diagrams to show

i) $\frac{2}{3}$ 

ii) $\frac{3}{4}$ 

iii) $\frac{1}{2}$ 

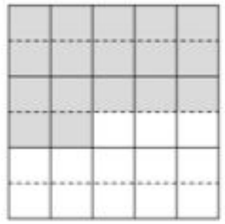
iv) $\frac{5}{6}$ 

b) Write each of the fractions in part a) as $\frac{\square}{12}$

c) Write each of the fractions in part a) in order from smallest to greatest.

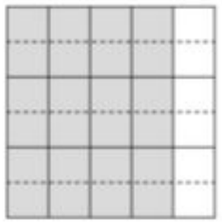
Independent task

2)

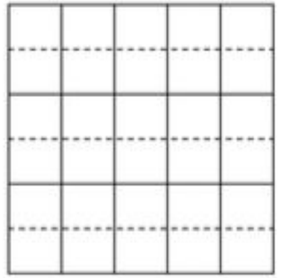


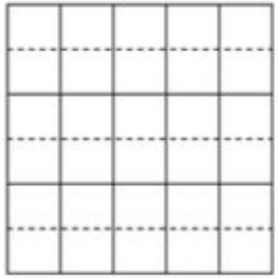
This diagram shows $\frac{17}{30}$. Use the diagrams to work out how much greater each fraction is than $\frac{17}{30}$.

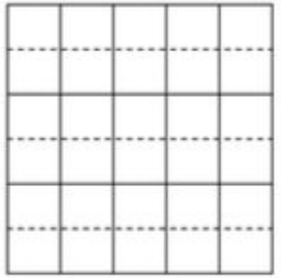
e.g. $\frac{4}{5}$:



$\frac{4}{5}$ *is* $\frac{7}{30}$ *greater than* $\frac{17}{30}$

a)  $\frac{3}{5}$

b) $\frac{5}{6}$ 

c) $\frac{2}{3}$ 

Independent task

3) Use a similar method to decide which of the fractions is greater, and how much greater:

a) $\frac{4}{5}$ or $\frac{5}{7}$

b) $\frac{5}{6}$ or $\frac{9}{11}$

c) $\frac{3}{10}$ or $\frac{4}{15}$

d) $\frac{9}{8}$ or $\frac{23}{20}$

Explore

A quarter of the circle is shaded blue

Two fifths of the circle is shaded yellow

What fraction remains unshaded