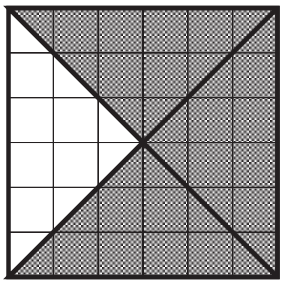
UNIT 10 *Arithmetic: Fractions* Overhead Slides

Overhead Slides

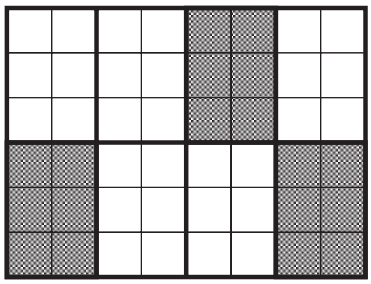
OS 10.1 *Fraction Diagrams 1*

What fraction of each shape is shaded?

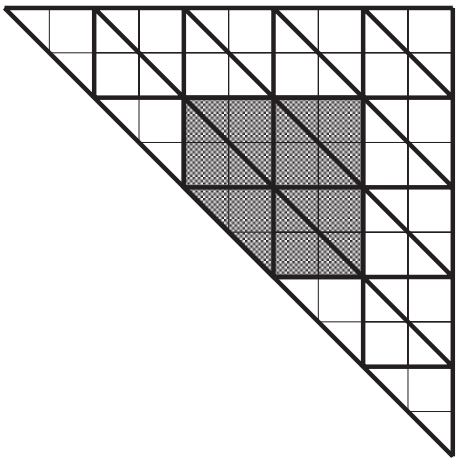
(a)



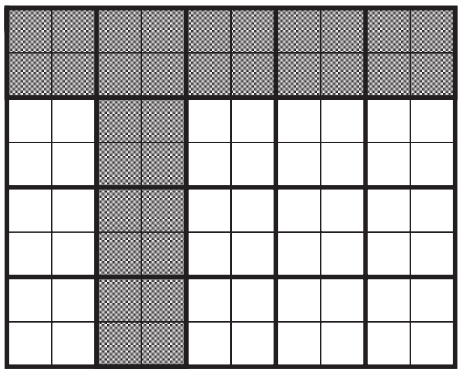
(b)



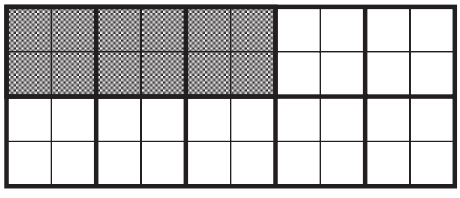
(c)



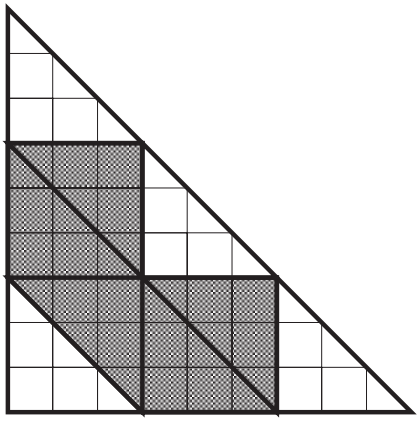
(d)



(e)



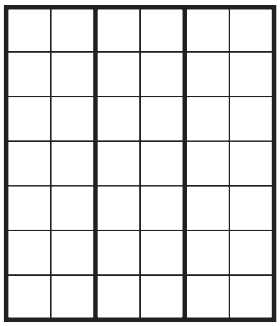
(f)



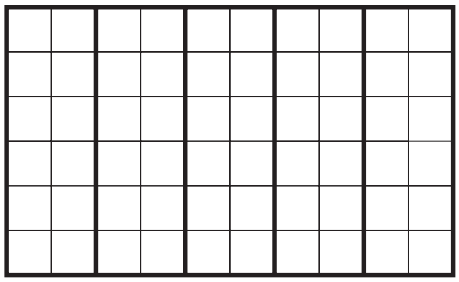
OS 10.2 *Fraction Diagrams 2*

On each diagram, shade the fraction stated:

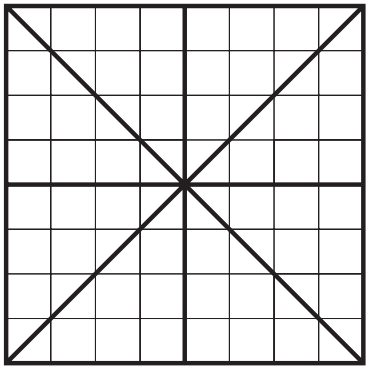
(a) $\frac{2}{3}$



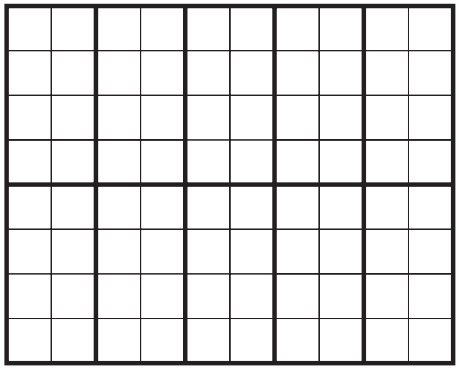
(b) $\frac{4}{5}$



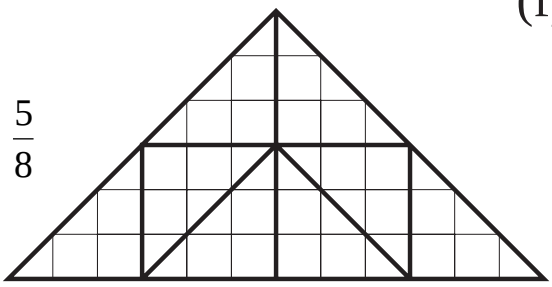
(c) $\frac{3}{8}$



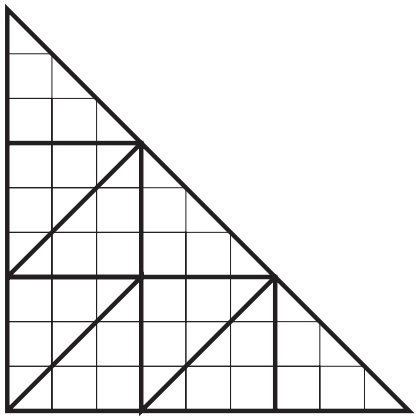
(d) $\frac{7}{10}$



(e) $\frac{5}{8}$



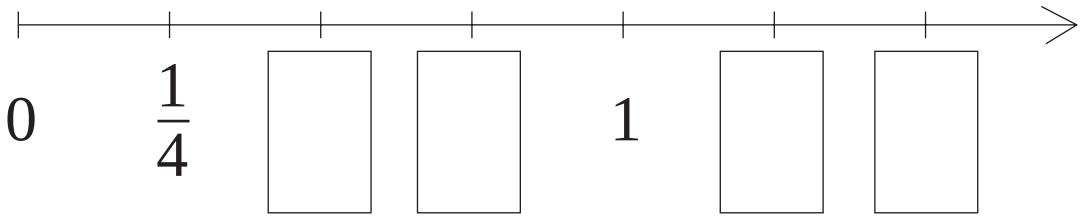
(f) $\frac{2}{9}$



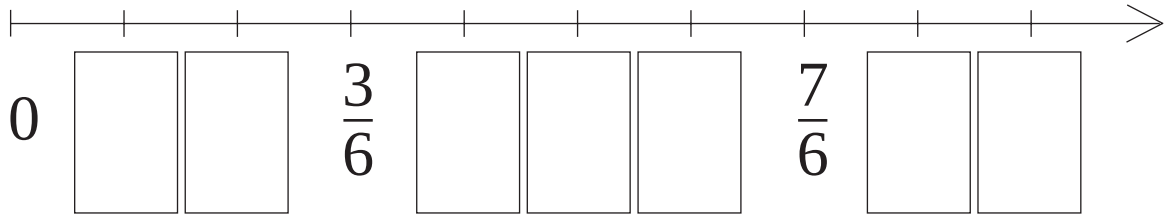
OS 10.3 *Fraction Number Lines*

Fill in each box with the correct fraction:

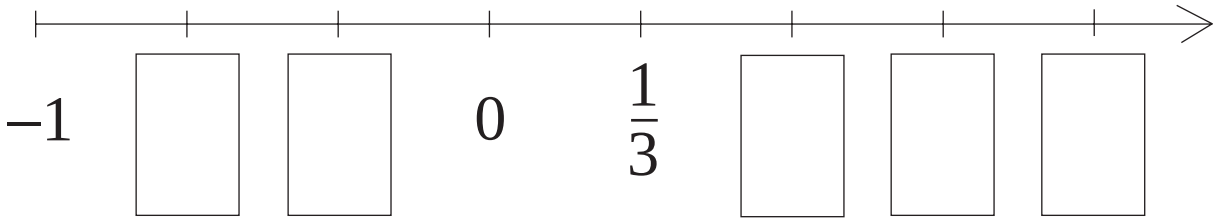
(a)



(b)

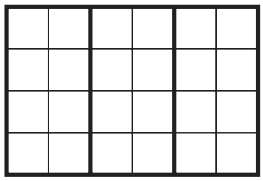


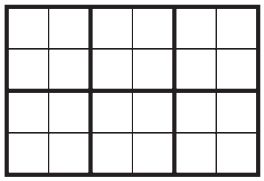
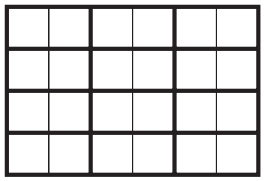
(c)

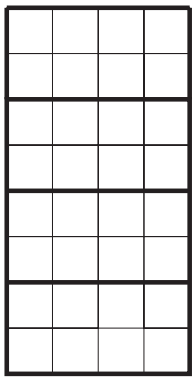


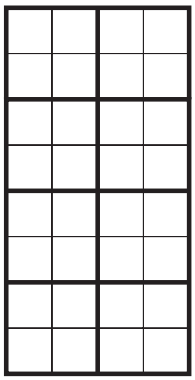
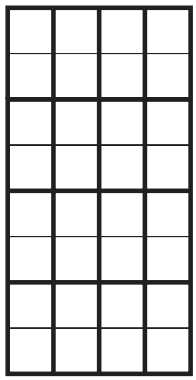
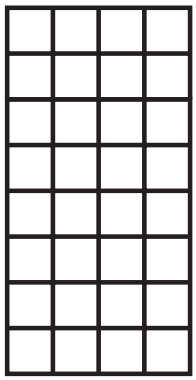
OS 10.4 *Equivalent Fractions 1*

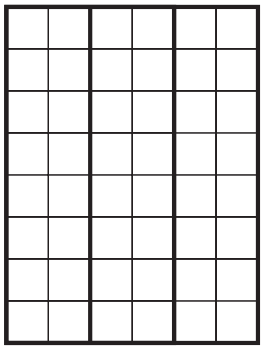
On each diagram, shade the fraction stated:

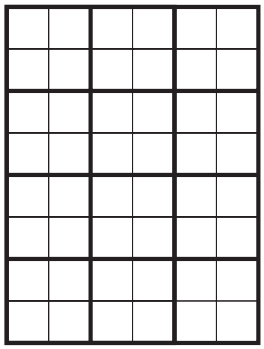
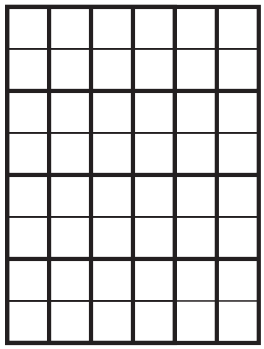


$\frac{1}{3}$ =  $\frac{2}{6}$ =  $\frac{4}{12}$



$\frac{3}{4}$ =  $\frac{6}{8}$ =  $\frac{12}{16}$ =  $\frac{24}{32}$



$\frac{2}{3}$ =  $\frac{8}{12}$ =  $\frac{16}{24}$

OS 10.5 *Equivalent Fractions 2*

Complete the fractions:

$$\frac{2}{3} = \frac{\quad}{6} = \frac{\quad}{9} = \frac{\quad}{12}$$

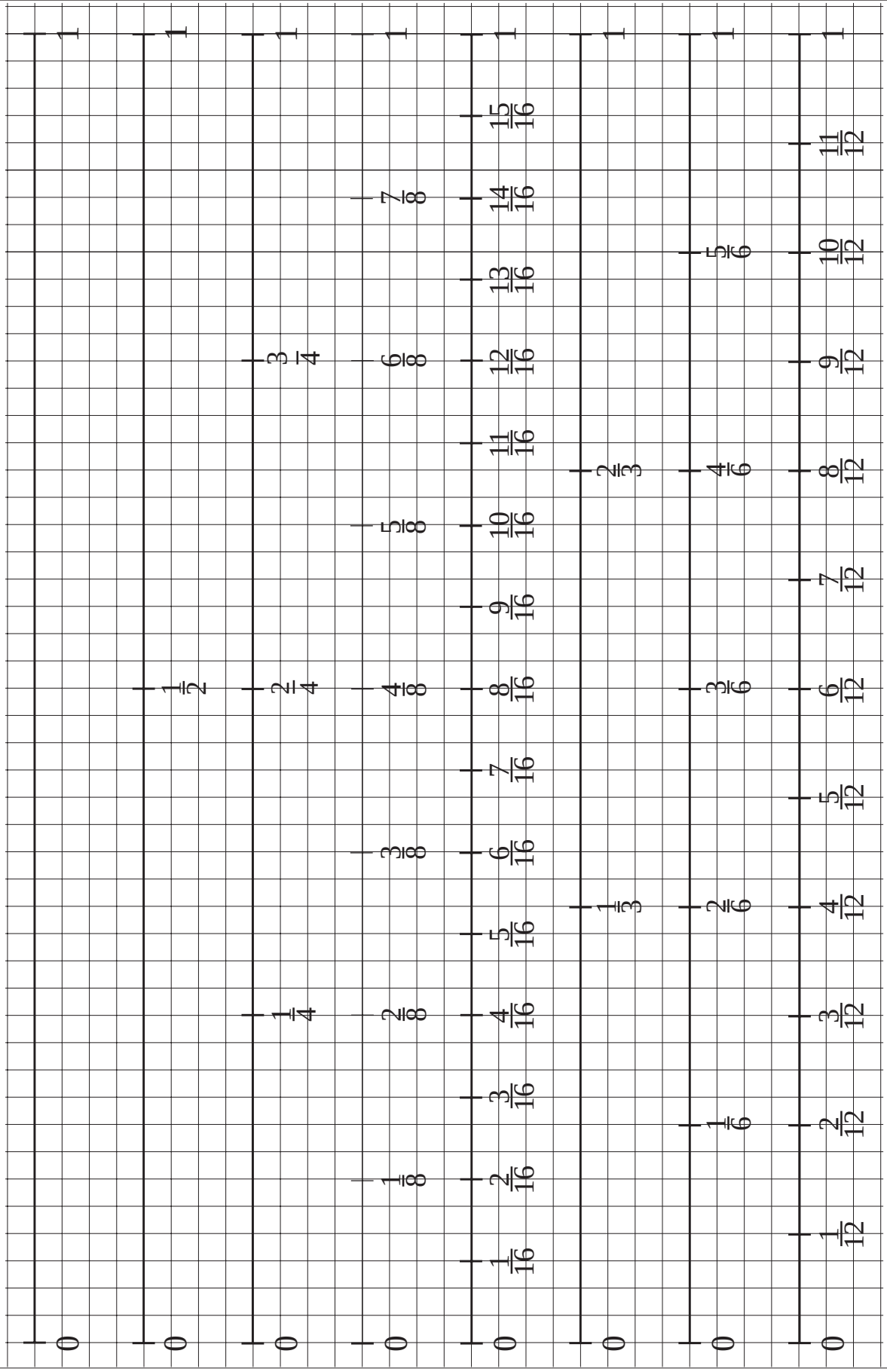
$$\frac{3}{4} = \frac{\quad}{8} = \frac{\quad}{16} = \frac{\quad}{40}$$

$$\frac{4}{5} = \frac{\quad}{10} = \frac{\quad}{100} = \frac{\quad}{1000}$$

$$\frac{3}{7} = \frac{\quad}{14} = \frac{\quad}{35} = \frac{\quad}{70}$$

$$\frac{5}{6} = \frac{\quad}{12} = \frac{\quad}{24} = \frac{\quad}{60}$$

OS 10.6 *Equivalent Fractions on a Number Line*



OS 10.7 *Fractions of Quantities 1*

(a) What is $\frac{3}{5}$ of £40 ?

$$\frac{1}{5} \times 40 = \square$$

$$\frac{3}{5} \times 40 = 3 \times \square$$

$$= \square$$

(b) What is $\frac{6}{7}$ of £35 ?

$$\frac{1}{7} \times 35 = \square$$

$$\frac{6}{7} \times 35 = 6 \times \square$$

$$= \square$$

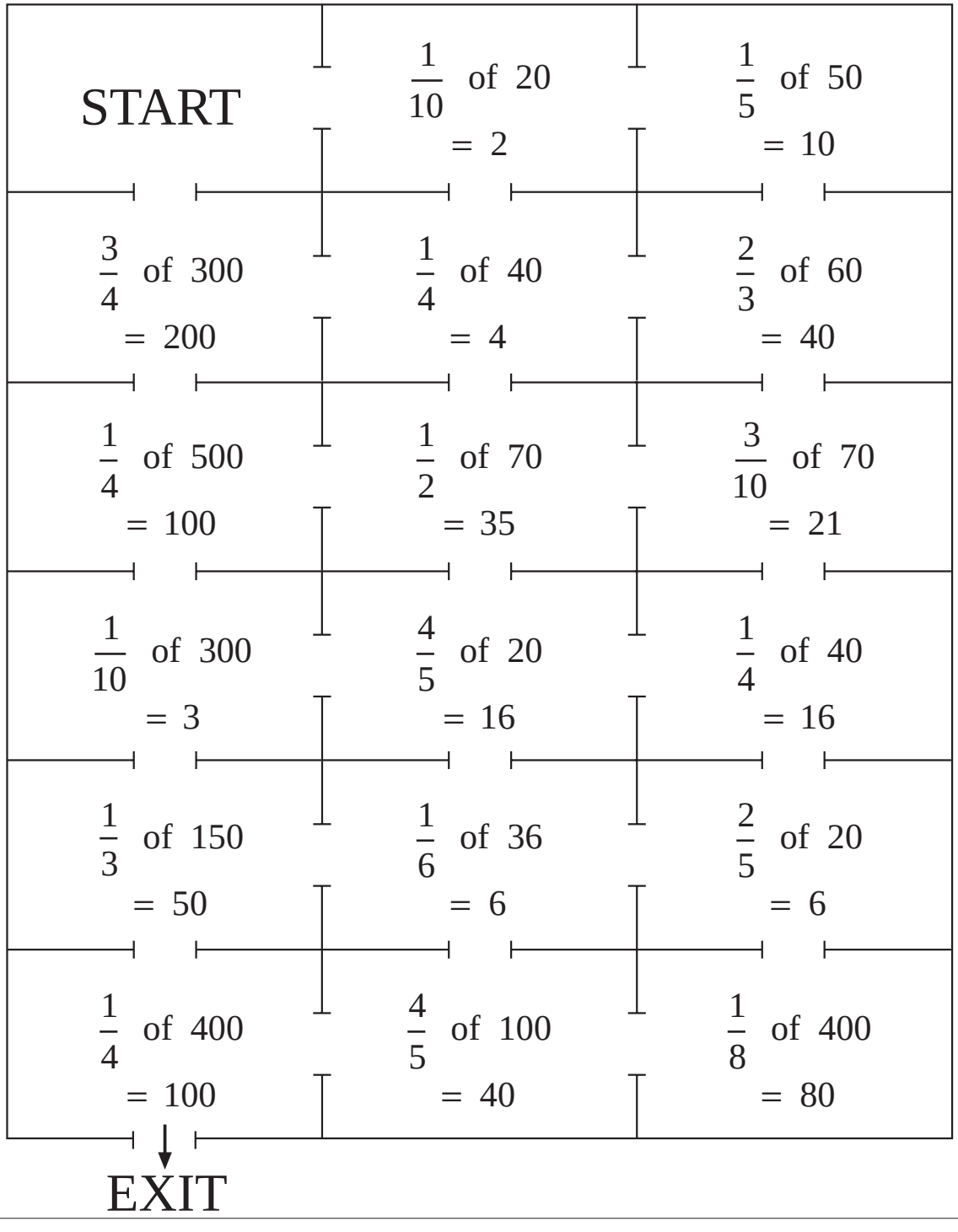
OS 10.8 *Fractions of Quantities 2*

Look at the diagram below.

START at the top left hand box, and then go through the gap into the next box which contains a CORRECT statement.

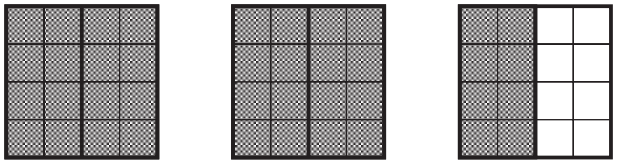
Carry on in the same way through the maze until you EXIT.

Draw a line on your diagram showing your route.

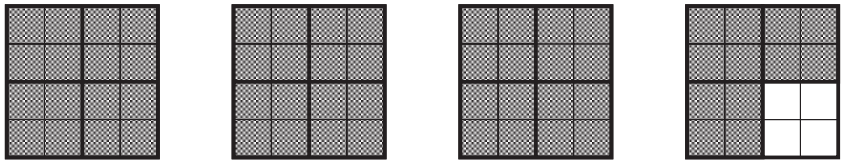


OS 10.9 *Mixed Numbers and Vulgar Fractions 1*

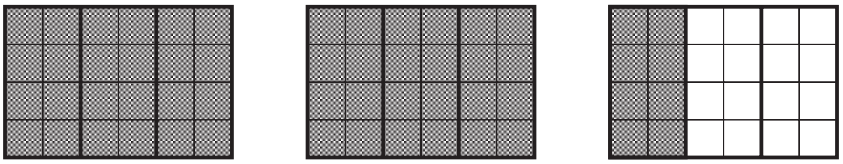
Write the number represented by the shaded part of each diagram as a *mixed fraction* and as a *vulgar (improper)* fraction:



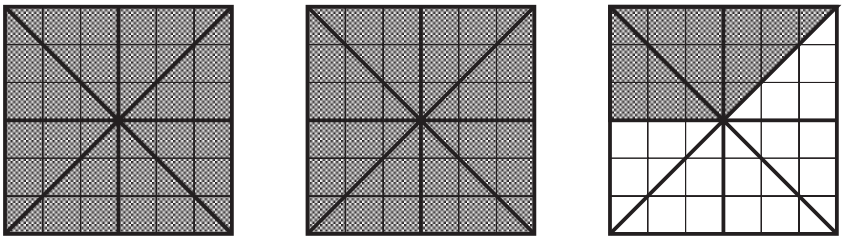
$\square\ \frac{\square}{2} = \frac{\square}{2}$



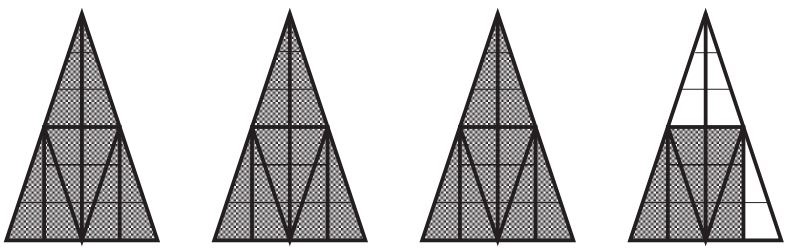
$\square\ \frac{\square}{4} = \frac{\square}{4}$



$\square\ \frac{\square}{\square} = \frac{\square}{\square}$



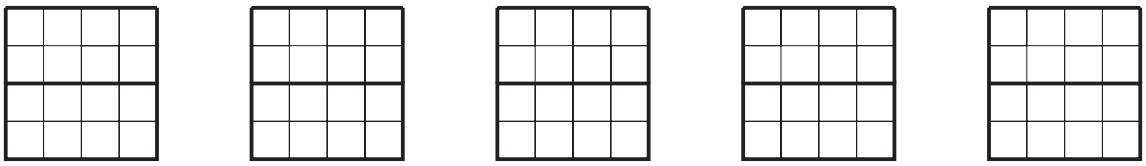
$\square\ \frac{\square}{\square} = \frac{\square}{\square}$



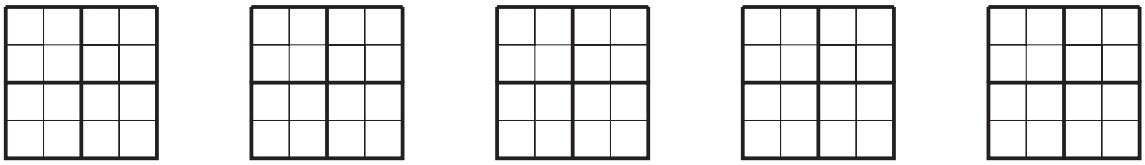
$\square\ \frac{\square}{\square} = \frac{\square}{\square}$

OS 10.10 *Mixed Numbers and Vulgar Fractions 2*

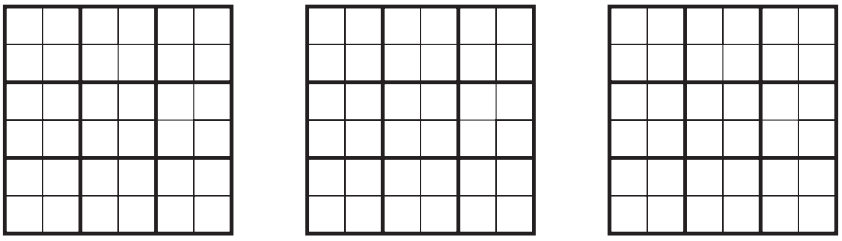
Shade the fraction stated in each case, and write as a mixed number:



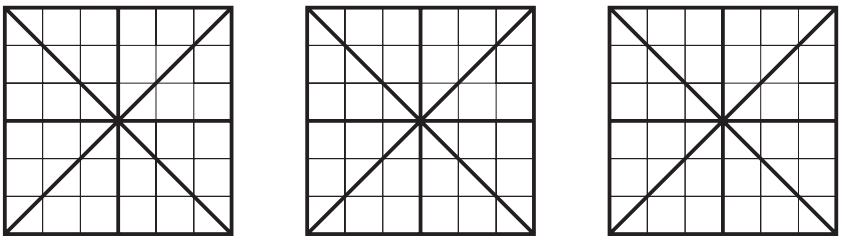
$\frac{7}{2} = \square\frac{\square}{\square}$



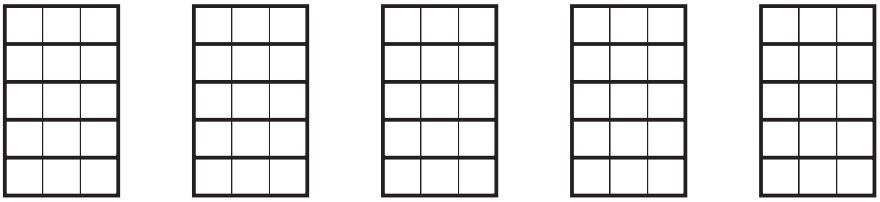
$\frac{19}{4} = \square\frac{\square}{\square}$



$\frac{16}{9} = \square\frac{\square}{\square}$



$\frac{17}{8} = \square\frac{\square}{\square}$



$\frac{17}{5} = \square\frac{\square}{\square}$