

UNIT 11 *Fractions and Percentages*

Overhead Slides

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- 11.2 Fraction Number Lines
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OS 11.1*Percentages and Fractions*

Convert each of the following percentages to its equivalent fraction, in its simplest form.

(a) $14\% \equiv$

(b) $45\% \equiv$

(c) $60\% \equiv$

(d) $23\% \equiv$

Convert each of the following fractions to the percentage equivalent.

(a) $\frac{3}{4} \equiv$

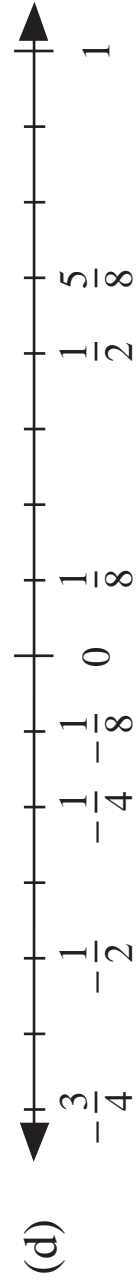
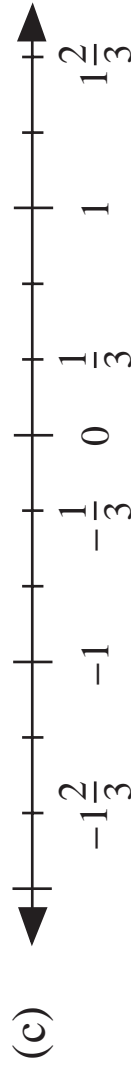
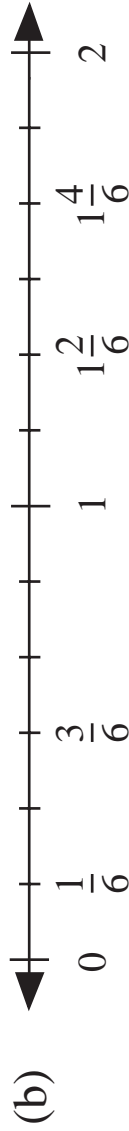
(b) $\frac{7}{20} \equiv$

(c) $\frac{26}{25} \equiv$

OS 11.2

Fraction Number Lines

Fill in each mark with the correct number.



OS 11.3, Slide 1

*Equivalent Fractions 1**Fraction Chart*

$\frac{0}{1}$												$\frac{1}{1}$				
$\frac{0}{2}$				$\frac{1}{2}$								$\frac{2}{2}$				
$\frac{0}{3}$			$\frac{1}{3}$			$\frac{2}{3}$						$\frac{3}{3}$				
$\frac{0}{4}$		$\frac{1}{4}$		$\frac{2}{4}$			$\frac{3}{4}$					$\frac{4}{4}$				
$\frac{0}{5}$		$\frac{1}{5}$		$\frac{2}{5}$		$\frac{3}{5}$		$\frac{4}{5}$				$\frac{5}{5}$				
$\frac{0}{6}$	$\frac{1}{6}$		$\frac{2}{6}$		$\frac{3}{6}$		$\frac{4}{6}$		$\frac{5}{6}$			$\frac{6}{6}$				
$\frac{0}{7}$	$\frac{1}{7}$		$\frac{2}{7}$		$\frac{3}{7}$		$\frac{4}{7}$		$\frac{5}{7}$		$\frac{6}{7}$	$\frac{7}{7}$				
$\frac{0}{8}$	$\frac{1}{8}$	$\frac{2}{8}$		$\frac{3}{8}$		$\frac{4}{8}$		$\frac{5}{8}$		$\frac{6}{8}$		$\frac{7}{8}$	$\frac{8}{8}$			
$\frac{0}{9}$	$\frac{1}{9}$	$\frac{2}{9}$		$\frac{3}{9}$		$\frac{4}{9}$		$\frac{5}{9}$		$\frac{6}{9}$		$\frac{7}{9}$	$\frac{8}{9}$	$\frac{9}{9}$		
$\frac{0}{10}$	$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$		$\frac{4}{10}$		$\frac{5}{10}$		$\frac{6}{10}$		$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{10}{10}$		
$\frac{0}{11}$	$\frac{1}{11}$	$\frac{2}{11}$	$\frac{3}{11}$	$\frac{4}{11}$		$\frac{5}{11}$		$\frac{6}{11}$		$\frac{7}{11}$		$\frac{8}{11}$	$\frac{9}{11}$	$\frac{10}{11}$	$\frac{11}{11}$	
$\frac{0}{12}$	$\frac{1}{12}$	$\frac{2}{12}$	$\frac{3}{12}$	$\frac{4}{12}$		$\frac{5}{12}$		$\frac{6}{12}$		$\frac{7}{12}$		$\frac{8}{12}$	$\frac{9}{12}$	$\frac{10}{12}$	$\frac{11}{12}$	$\frac{12}{12}$

OS 11.3, Slide 2*Equivalent Fractions 1*

Look carefully at the **fraction chart** on Slide 1.

To find an equivalent fraction of $\frac{3}{5}$, you place a ruler vertically at $\frac{3}{5}$.

You will find that $\frac{6}{10}$ lies on the same line.

So $\frac{3}{5}$ and $\frac{6}{10}$ are equivalent fractions.

Using a ruler, find all the equivalent fractions of each of the following from the chart.

(a) $\frac{1}{2} =$

(b) $\frac{2}{3} =$

(c) $\frac{2}{6} =$

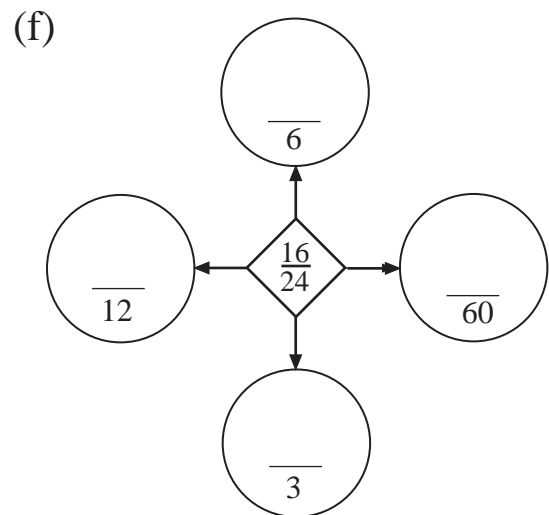
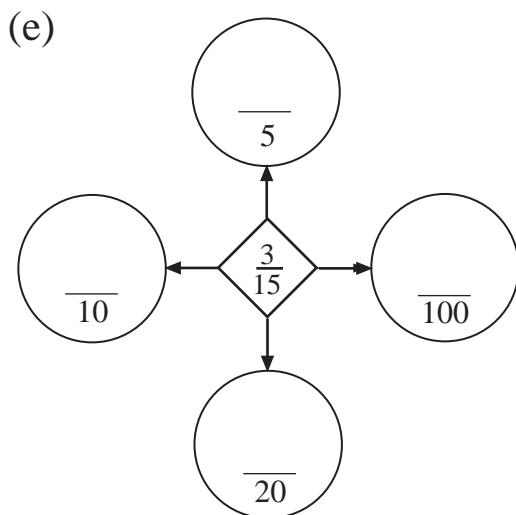
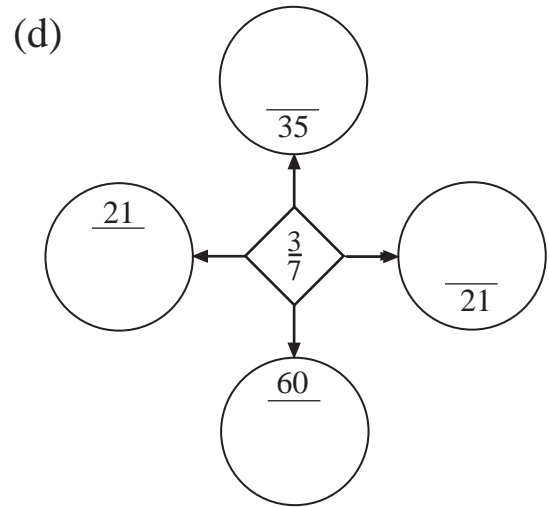
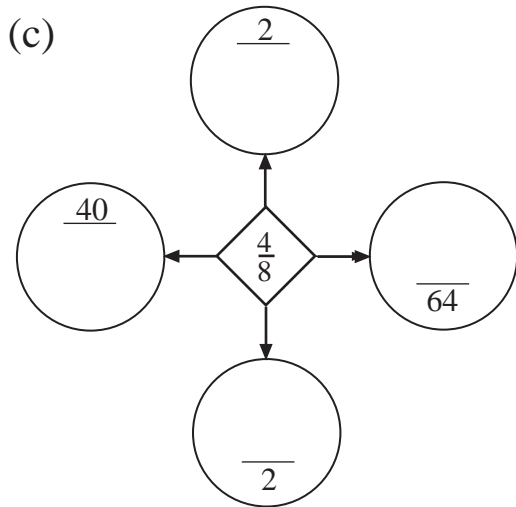
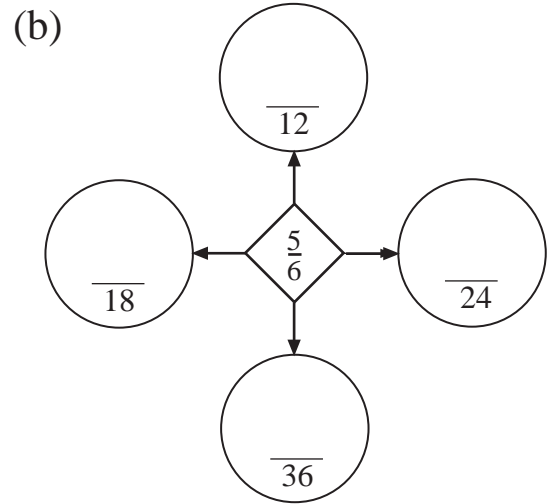
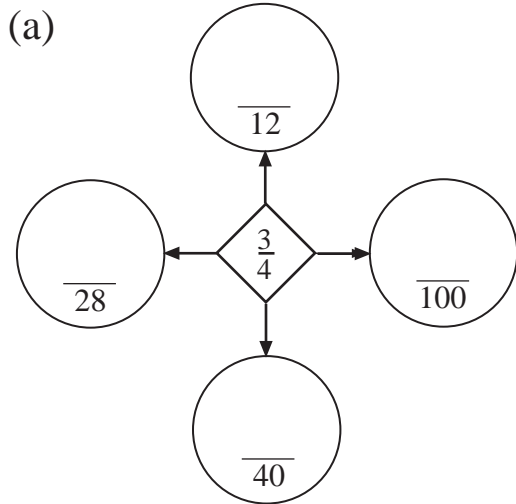
(d) $\frac{1}{5} =$

(e) $\frac{3}{4} =$

OS 11.4

Equivalent Fractions 2

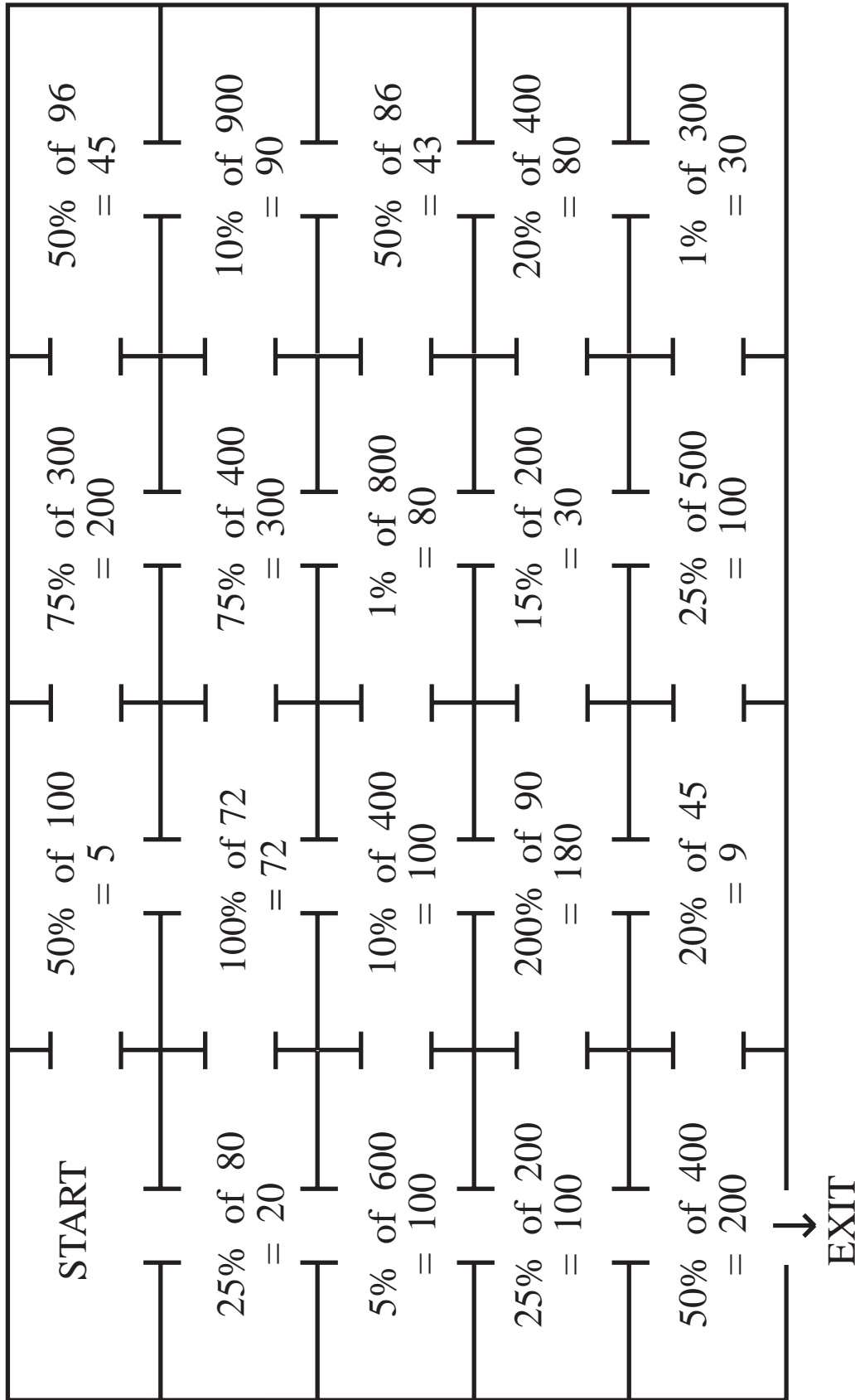
Complete each of the following so that the fractions in \bigcirc are equivalent to those in \diamond .



OS 11.5

Percentages of Quantities

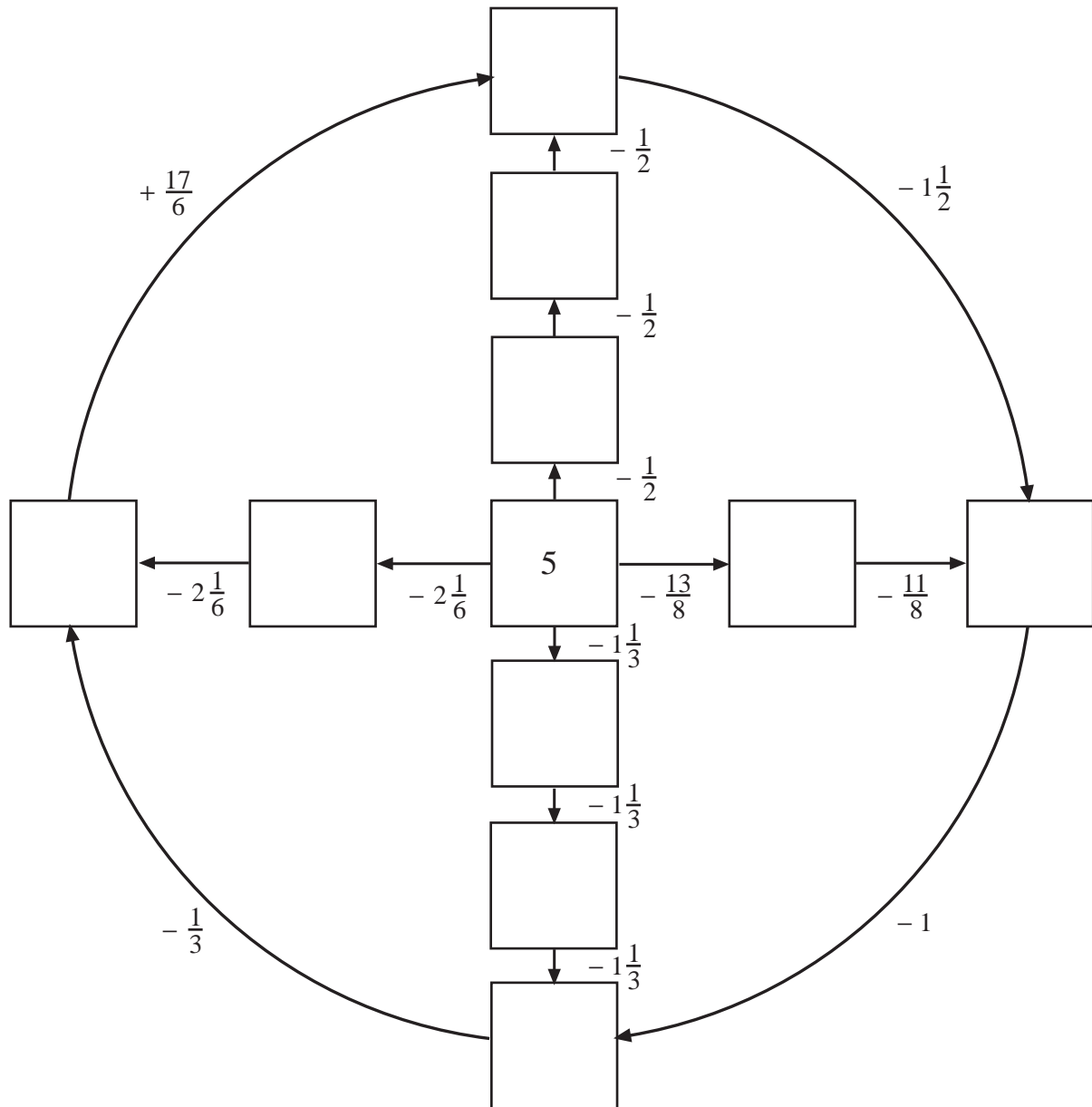
Look at the diagram below. START from the top left box and enter the next box which displays a correct statement. Carry on in the same manner until you EXIT.



OS 11.6

Adding and Subtracting Fractions

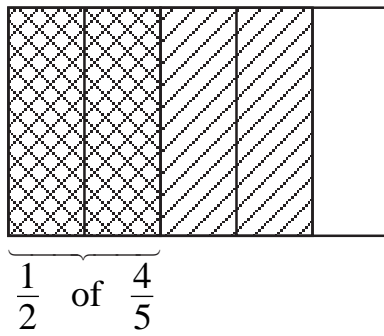
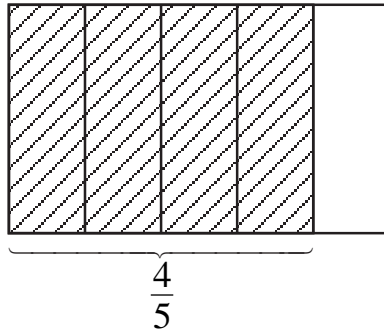
Using the information given, fill in each gap with the correct number.



OS 11.7

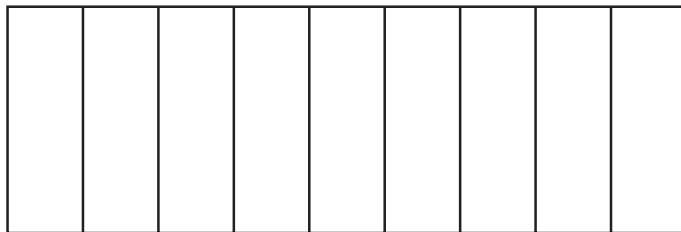
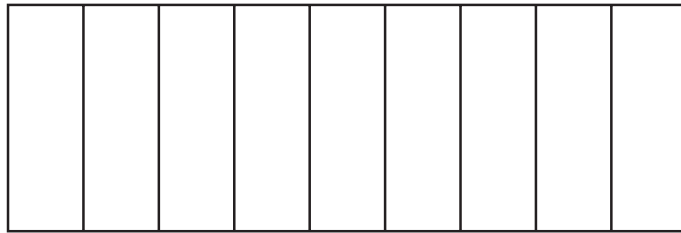
Multiplying Fractions

$$\frac{1}{2} \times \frac{4}{5}$$



$$\frac{1}{2} \times \frac{4}{5} = \frac{2}{5}$$

$$\frac{1}{4} \times \frac{8}{9}$$



$$\frac{1}{4} \times \frac{8}{9} =$$