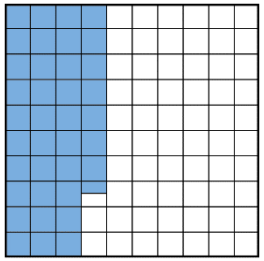
Number

# Activity 15 Assessment

## Representing Fractional Percents

### Representing Fractional Percents

| Writes a fraction as a fractional percent | Represents a fractional percent on a hundredths grid | Determines a fractional percent of a number | Solves a problem involving a fractional percent |
|---|---|---|---|
| $\frac{3}{8}$ = 0.375 × 100%<br>= 37.5%, or $37\frac{1}{2}$ %<br><br>$\frac{4}{9}$ = 0.444… × 100%<br>= $44.\overline{4}$% | For 37.5%, or $37\frac{1}{2}$ %:<br>$\frac{1}{2}$ % is one-half of 1%, so $\frac{1}{2}$ % is one-half of a square on a hundredths grid.<br>  | What is $15\frac{1}{4}$ % of 80?<br>10% of 80 = 8<br>5% of 80 = 4<br>1% of 80 = 8 ÷ 10 = 0.8<br>$\frac{1}{4}$ % of 80 = 0.8 ÷ 4 = 0.2<br>So, $15\frac{1}{4}$ % of 80 = 8 + 4 + 0.2<br>= 12.2 | A real-estate agent sells a home for $650 000.<br>The commission is $2\frac{1}{2}$ %.<br>How much does the agent earn on this sale?<br>1% of $650 000<br>= $650 000 ÷ 100<br>= $6500<br>So, 2% = 2 × $6500<br>= $13 000<br>$\frac{1}{2}$ % = $6500 ÷ 2<br>= $3250<br>Commission:<br>$13 000 + $3250 = $16 250 |

### Observations/Documentation