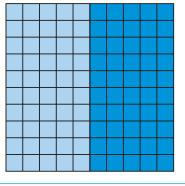
## **Pondering Percentages**

## **Activity**

Sohan is explaining to Yvette, Leonie, and Andrew why  $\frac{1}{2}$  is 50 percent.

Percentage means "out of 100". 50 out of a 100 is  $\frac{1}{2}$ .

He shows them this grid:



50 squares out of 100 are shaded on this hundredths grid. So that's  $\frac{1}{2}$  or 50 percent.

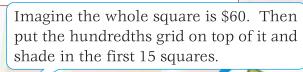


Yvette, Leonie, and Andrew have some questions for Sohan. Answer their questions, using a hundredths grid to help you.





Sohan challenges Yvette, Leonie, and Andrew to find 15 percent of \$60.







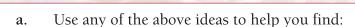
There are 10 columns. So each column represents  $\frac{10}{100}$  or  $\frac{1}{10}$  of \$60. That's 10%!

10% of \$60 is \$6. So 5% is \$3. \$6 + \$3 = \$9.

I like your grid idea, Sohan.

But couldn't you also show 15 percent of \$60 on a double number line?





- i. 20% of \$55
- ii. 15% of \$80
- iii. 40% of \$130
- iv. 75% of \$28
- v. 95% of \$40
- vi. 125% of \$48.

- c. With your classmate, try these harder ones:
  - i. 40% of \$36
- ii. 80% of \$35
- iii. 65% of \$24
- iv.  $12\frac{1}{2}\%$  of \$96.