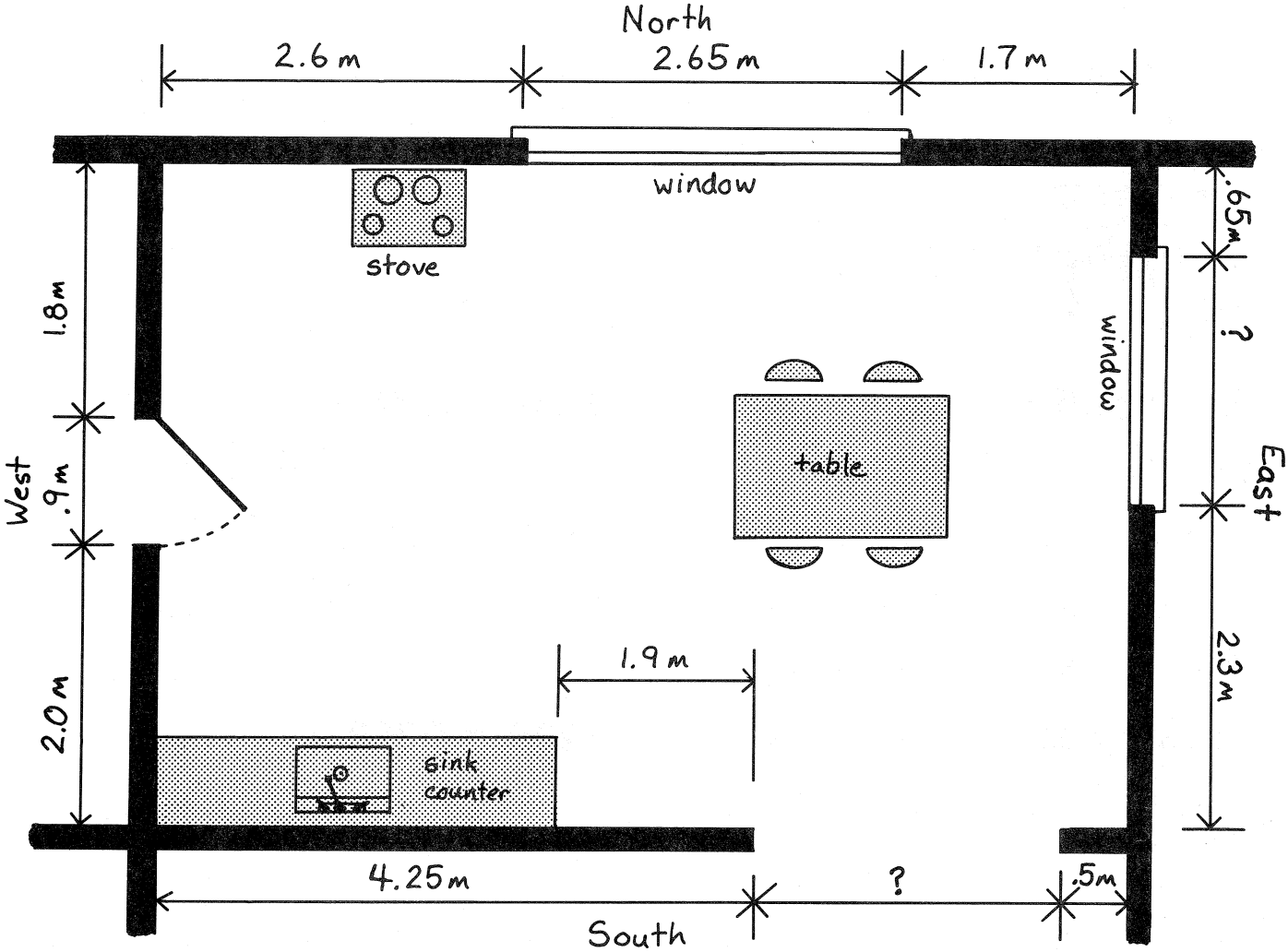
Picture Problems



How long is the room? (Add the lengths on the north wall.) _____m	**How wide is the room?** (Add the lengths on the west wall.) _____m	**How long is the counter with the sink?** (Subtract.) _____m
How wide is the opening into the room on the south wall? (You need to use the answer above.) _____m	**How wide is the large window on the east wall?** _____m	**What is the perimeter of the room?** (The perimeter is the distance all the way around the room.) _____m

Dividing by a Decimal Number

To divide by a decimal number you first rewrite the problem as division by a whole number. Then you can divide.

Problem	Step 1	Step 2	Step 3
Use these steps when the divisor has decimal digits.	Rewrite the division as a fraction. Then multiply numerator and denominator by 10 or 100 to make the denominator a whole number.	Now you're dividing by a whole number. Rewrite the fraction as standard division and divide. Circle your answer.	Check. Multiply your answer by the divisor from the original problem.
$.3\overline{)15}$	$\frac{15 \times 10}{.3 \times 10} = \frac{150}{3}$	$3\overline{)150}$ (50) -15 00 -0 0	50 (Answer) $\times .3$ (Original divisor) 15.0 (Original dividend. It works!)
$.5\overline{)2.5}$	$\frac{2.5 \times}{.5 \times} =$ 1 decimal digit so multiply by 10.		
$.2\overline{)6.}$			
$.4\overline{)8.4}$			
$.4\overline{)84}$			