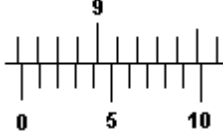
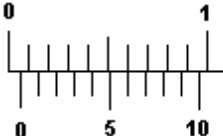
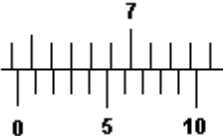

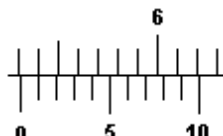
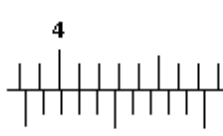
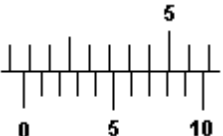
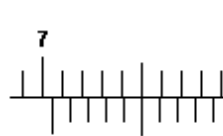
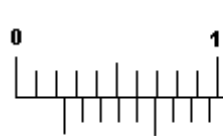




Vernier Caliper

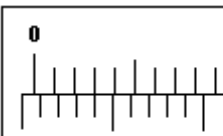
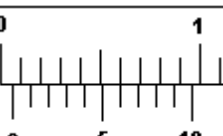
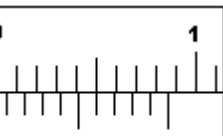

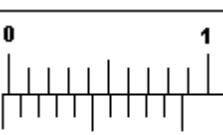
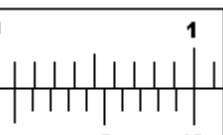
Exercise 1

Find the readings of the vernier calipers below.

1. 	2. 	3. 
$8.6 \text{ cm} + 0.02 \text{ cm}$ $= 8.62 \text{ cm}$	$0.0 \text{ cm} + 0.06 \text{ cm}$ $= 0.06 \text{ cm}$	$6.4 \text{ cm} + 0.03 \text{ cm}$ $= 6.43 \text{ cm}$
4. 	5. 	6. 
$1.0 \text{ cm} + 0.06 \text{ cm}$ $= 1.06 \text{ cm}$	$5.3 \text{ cm} + 0.01 \text{ cm}$ $= 5.31 \text{ cm}$	$3.8 \text{ cm} + 0.03 \text{ cm}$ $= 3.83 \text{ cm}$
7. 	8. 	9. 
$4.3 \text{ cm} + 0.07 \text{ cm}$ 4.37 cm	$7.0 \text{ cm} + 0.05 \text{ cm}$ 7.05 cm	$0.2 \text{ cm} + 0.04 \text{ cm}$ 0.24 cm

Exercise 2

1. Assuming that the jaws of the calipers are tightly closed, find the zero error of the Vernier calipers below.

		
1. -0.06 cm	2. $+0.06 \text{ cm}$	3. -0.04 cm
		
4. $+0.03 \text{ cm}$	5. -0.03 cm	6. $+0.10 \text{ cm}$

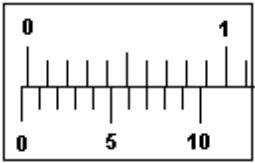
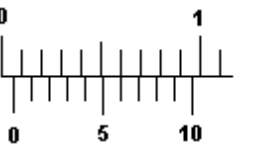
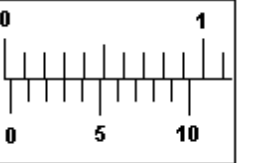
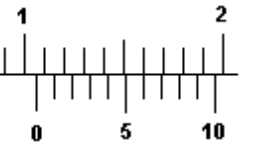
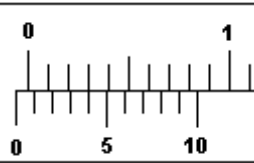
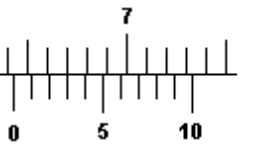
We focus on

Answering Exam Questions



Vernier Caliper

2. Find the zero error and the correct reading of the Vernier calipers below.

<p>1</p>  <p>Zero error = -0.03cm</p> 	<p>2</p>  <p>Zero error = $+0.03\text{cm}$</p> 	<p>3</p>  <p>Zero error = -0.04cm</p> 
<p>Correct reading:</p> <p>$0.06\text{cm} - (-0.03\text{cm}) = 0.09\text{cm}$</p>	<p>Correct reading:</p> <p>$1.06\text{cm} - (+0.03\text{cm}) = 1.03\text{cm}$</p>	<p>Correct reading:</p> <p>$6.43\text{cm} - (-0.04\text{cm}) = 6.47\text{cm}$</p>