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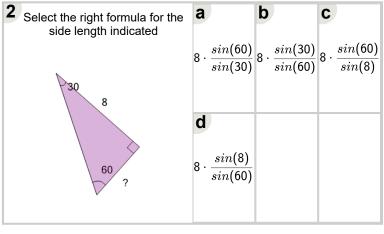
Math worksheet on *'Trigonometry - Rule of Sines - Setup (Level 1)'*. Part of a broader unit on *'Trigonometry - Solving Triangles'*

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1 Select the right formula for the side length indicated

a	b	c
$12 \cdot \frac{sin(75)}{sin(150)}$	$12 \cdot \frac{sin(12)}{sin(50)}$	$12 \cdot \frac{sin(50)}{sin(75)}$
d	**e**	
$12 \cdot \frac{sin(75)}{sin(50)}$	$12 \cdot \frac{sin(50)}{sin(12)}$	

2 Select the right formula for the side length indicated

a	b	c
$8 \cdot \frac{sin(60)}{sin(30)}$	$8 \cdot \frac{sin(30)}{sin(60)}$	$8 \cdot \frac{sin(60)}{sin(8)}$
d		
$8 \cdot \frac{sin(8)}{sin(60)}$		

3 Select the right formula for the side length indicated

a	b	c
$4 \cdot \frac{sin(55)}{sin(4)}$	$4 \cdot \frac{sin(60)}{sin(55)}$	$4 \cdot \frac{sin(60)}{sin(120)}$
d	**e**	
$4 \cdot \frac{sin(4)}{sin(55)}$	$4 \cdot \frac{sin(55)}{sin(60)}$	

4 Select the right formula for the side length indicated

a	b	c
$11 \cdot \frac{sin(45)}{sin(11)}$	$11 \cdot \frac{sin(45)}{sin(55)}$	$11 \cdot \frac{sin(55)}{sin(110)}$
d	**e**	
$11 \cdot \frac{sin(11)}{sin(45)}$	$11 \cdot \frac{sin(55)}{sin(45)}$	

5 Select the right formula for the side length indicated

a	b	c
$12 \cdot \frac{sin(35)}{sin(70)}$	$12 \cdot \frac{sin(60)}{sin(12)}$	$12 \cdot \frac{sin(12)}{sin(60)}$
d	**e**	
$12 \cdot \frac{sin(60)}{sin(35)}$	$12 \cdot \frac{sin(35)}{sin(60)}$	

6 Select the right formula for the side length indicated

a	b	c
$4 \cdot \frac{sin(45)}{sin(90)}$	$4 \cdot \frac{sin(80)}{sin(45)}$	$4 \cdot \frac{sin(80)}{sin(4)}$
d	**e**	
$4 \cdot \frac{sin(4)}{sin(80)}$	$4 \cdot \frac{sin(45)}{sin(80)}$	

7 Select the right formula for the side length indicated

a	b	c
$4 \cdot \frac{sin(4)}{sin(55)}$	$4 \cdot \frac{sin(55)}{sin(45)}$	$4 \cdot \frac{sin(45)}{sin(55)}$
d	**e**	
$4 \cdot \frac{sin(45)}{sin(90)}$	$4 \cdot \frac{sin(55)}{sin(4)}$	