

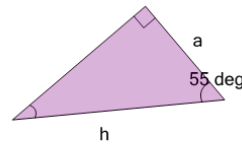


Math worksheet on 'Trigonometry - Approximating Ratios in Decimal from Diagrams (Level 1)'. Part of a broader unit on 'Trigonometry - Solving Triangles - Intro'

Learn online: app.mobius.academy/math/units/trigonometry_solving_triangles_intro/

1

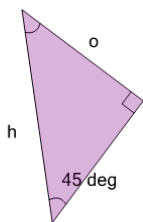
Visually approximate the ratio of side 'a' to side 'h'



a	$\frac{a}{o} = 0.43$	b	$\frac{h}{h} = 49.00$
c	$\frac{a}{h} = 0.80$	d	$\frac{h}{o} = 1.23$
e	$\frac{a}{h} = 0.89$	f	$\frac{a}{h} = 0.57$

2

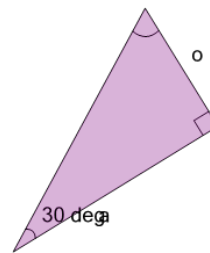
Visually approximate the ratio of side 'o' to side 'h'



a	$\frac{o}{h} = 0.93$	b	$\frac{o}{h} = 0.98$
c	$\frac{o}{h} = 0.39$	d	$\frac{o}{h} = 1.02$
e	$\frac{o}{h} = 0.71$	f	$\frac{h}{h} = 1.00$

3

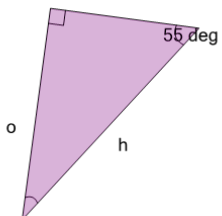
Visually approximate the ratio of side 'o' to side 'a'



a	$\frac{a}{h} = 0.55$	b	$\frac{o}{a} = 0.58$
c	$\frac{o}{a} = 0.22$	d	$\frac{o}{a} = 0.36$
e	$\frac{o}{a} = 0.81$	f	$\frac{a}{a} = 120.31$

4

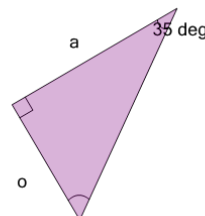
Visually approximate the ratio of side 'o' to side 'h'



a	$\frac{h}{a} = 1.75$	b	$\frac{o}{o} = 32.49$
c	$\frac{o}{h} = 0.50$	d	$\frac{o}{h} = 1.13$
e	$\frac{o}{h} = 0.81$	f	$\frac{o}{h} = 1.08$

5

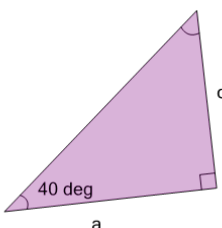
Visually approximate the ratio of side 'o' to side 'a'



a	$\frac{h}{o} = 55.46$	b	$\frac{a}{o} = 0.85$
c	$\frac{o}{o} = 0.73$	d	$\frac{o}{a} = 0.70$
e	$\frac{a}{o} = 2.00$	f	$\frac{o}{a} = 0.93$

6

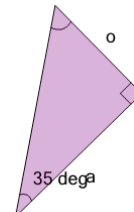
Visually approximate the ratio of side 'o' to side 'a'



a	$\frac{o}{a} = 0.52$	b	$\frac{o}{a} = 0.84$
c	$\frac{o}{a} = 0.57$	d	$\frac{o}{a} = 1.11$
e	$\frac{a}{o} = 0.62$	f	$\frac{a}{o} = 53.60$

7

Visually approximate the ratio of side 'o' to side 'a'



a	$\frac{o}{a} = 0.93$	b	$\frac{o}{a} = 0.70$
c	$\frac{o}{a} = 0.43$	d	$\frac{o}{a} = 0.97$
e	$\frac{h}{h} = 1.32$	f	$\frac{o}{a} = 1.02$