



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

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

2

Solve for the trigonometric ratio in fraction form

a	$\sin(A) = \frac{4.3}{5.2}$
b	$\sin(A) = 3 \times 4.3$
c	$\sin(A) = \frac{4.3}{3}$
d	$\sin(A) = 3 \times 3$
e	$\sin(A) = \frac{3}{4.3}$
f	$\sin(A) = \frac{5.2}{4.3}$

4

Solve for the trigonometric ratio in fraction form

a	$\cos(A) = \frac{11}{17.1}$
b	$\cos(A) = 17.1 \times 17.1$
c	$\cos(A) = \frac{17.1}{11}$
d	$\cos(A) = \frac{13.1}{17.1}$
e	$\cos(A) = \frac{13.1}{11}$
f	$\cos(A) = \frac{17.1}{17.1}$

6

Solve for the trigonometric ratio in fraction form

a	$\sin(A) = 15.6 \times 18$
b	$\sin(A) = \frac{18}{18}$
c	$\sin(A) = 9 \times 15.6$
d	$\sin(A) = 9 \times 9$
e	$\sin(A) = 9 \times 18$
f	$\sin(A) = \frac{15.6}{18}$

1

Solve for the trigonometric ratio in fraction form

a	$\cos(A) = \frac{10.4}{10.4}$
b	$\cos(A) = 6.7 \times 8$
c	$\cos(A) = 10.4 \times 10.4$
d	$\cos(A) = \frac{6.7}{6.7}$
e	$\cos(A) = \frac{8}{10.4}$
f	$\cos(A) = \frac{8}{8}$

3

Solve for the trigonometric ratio in fraction form

a	$\tan(A) = \frac{6}{3}$
b	$\tan(A) = 6 \times 6$
c	$\tan(A) = \frac{3}{6}$
d	$\tan(A) = \frac{5.2}{5.2}$
e	$\tan(A) = 3 \times 3$
f	$\tan(A) = \frac{5.2}{3}$

5

Solve for the trigonometric ratio in fraction form

a	$\cos(A) = \frac{6}{8.5}$
b	$\cos(A) = \frac{8.5}{6}$
c	$\cos(A) = 8.5 \times 8.5$
d	$\cos(A) = 6 \times 6$
e	$\cos(A) = \frac{6}{6}$
f	$\cos(A) = 6 \times 8.5$

7

Solve for the trigonometric ratio in fraction form

a	$\sin(A) = 9 \times 10.7$
b	$\sin(A) = \frac{10.7}{10.7}$
c	$\sin(A) = \frac{9}{14}$
d	$\sin(A) = 14 \times 10.7$
e	$\sin(A) = \frac{10.7}{14}$
f	$\sin(A) = 10.7 \times 14$