Math worksheet on *'Units - Conversion (2 Ratios) - Problem to Answer (Level 1)'*. Part of a broader unit on *'Unit Conversion - Intro'*

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

1 Convert this rate from yards per second to feet per minute.
There are 3 ft in every yrd

$$2\frac{yrd}{s}\ is\ ?\frac{ft}{min}$$

a	b	c	d	e	f
$360\frac{ft}{min}$	$\frac{2}{180}\frac{ft}{min}$	$\frac{1}{364}\frac{ft}{min}$	$\frac{180}{2}\frac{ft}{min}$	$\frac{6}{180}\frac{ft}{min}$	$\frac{1}{360}\frac{ft}{min}$

2 Convert this rate from minutes per foot to seconds per yard.
There are 1/3 yrd in every ft

$$6\frac{min}{ft}\ is\ ?\frac{s}{yrd}$$

a	b	c	d	e	f
$\frac{1}{1080}\frac{s}{yrd}$	$1080\frac{s}{yrd}$	$\frac{180}{12}\frac{s}{yrd}$	$\frac{6}{180}\frac{s}{yrd}$	$\frac{1080}{5}\frac{s}{yrd}$	$\frac{1080}{4}\frac{s}{yrd}$

3 Convert this rate from feet per second to yards per minute.
There are 1/3 yrd in every ft

$$2\frac{ft}{s}\ is\ ?\frac{yrd}{min}$$

a	b	c	d	e	f
$\frac{120}{5}\frac{yrd}{min}$	$\frac{6}{60}\frac{yrd}{min}$	$\frac{120}{9}\frac{yrd}{min}$	$\frac{60}{6}\frac{yrd}{min}$	$\frac{120}{3}\frac{yrd}{min}$	$\frac{9}{120}\frac{yrd}{min}$

4 Convert this rate from minutes per yard to seconds per foot.
There are 1/3 yrd in every ft

$$8\frac{min}{yrd}\ is\ ?\frac{s}{ft}$$

a	b	c	d	e	f
$\frac{60}{28}\frac{s}{ft}$	$\frac{485}{3}\frac{s}{ft}$	$\frac{3}{480}\frac{s}{ft}$	$\frac{60}{24}\frac{s}{ft}$	$\frac{24}{62}\frac{s}{ft}$	$\frac{480}{3}\frac{s}{ft}$

5 Convert this rate from minutes per yard to seconds per foot.
There are 1/3 yrd in every ft

$$2\frac{min}{yrd}\ is\ ?\frac{s}{ft}$$

a	b	c	d	e	f
$\frac{125}{3}\frac{s}{ft}$	$\frac{124}{3}\frac{s}{ft}$	$\frac{10}{120}\frac{s}{ft}$	$\frac{3}{120}\frac{s}{ft}$	$\frac{120}{3}\frac{s}{ft}$	$\frac{11}{60}\frac{s}{ft}$

6 Convert this rate from minutes per yard to seconds per foot.
There are 3 ft in every yrd

$$7\frac{min}{yrd}\ is\ ?\frac{s}{ft}$$

a	b	c	d	e	f
$\frac{60}{27}\frac{s}{ft}$	$\frac{60}{21}\frac{s}{ft}$	$\frac{21}{64}\frac{s}{ft}$	$\frac{420}{3}\frac{s}{ft}$	$\frac{3}{420}\frac{s}{ft}$	$\frac{60}{23}\frac{s}{ft}$

7 Convert this rate from yards per second to feet per minute.
There are 3 ft in every yrd

$$3\frac{yrd}{s}\ is\ ?\frac{ft}{min}$$

a	b	c	d	e	f
$542\frac{ft}{min}$	$540\frac{ft}{min}$	$\frac{180}{5}\frac{ft}{min}$	$\frac{3}{185}\frac{ft}{min}$	$\frac{1}{540}\frac{ft}{min}$	$\frac{7}{540}\frac{ft}{min}$