

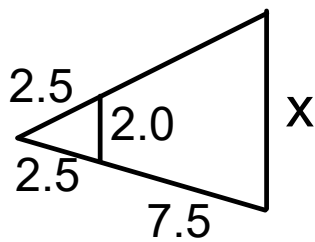
Warm up

June 6

Solve for x

$$\frac{x}{6} = \frac{12.5}{10}$$

$$x = \frac{12.5(6)}{10} \\ = 7.5$$



$$\frac{x}{2.0} = \frac{10}{2.5} \\ x = \frac{10(2.0)}{2.5} \\ = 8$$

Tina is 1.7m tall. Her shadow is 2.4m and a tree's shadow is 10.8m. What is the height of the tree?

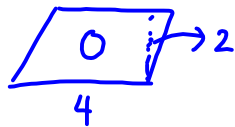


$$\frac{x}{1.7} = \frac{10.8}{2.4} \\ x = \frac{1.7(10.8)}{2.4} \\ = 7.65 \text{ m}$$

The height of the tree is 7.65m.

Chapter 7 Review

#4



$$l \times h \\ 4 \times 2$$

A. 6×2 $\frac{6}{4} = 1.5$ $\frac{2}{2} = 1$ X

B. 8×2 $\frac{8}{4} = 2$ $\frac{2}{2} = 1$ X

C. 6×3 $\frac{6}{4} = 1.5$ $\frac{3}{2} = 1.5$ ✓ Same answer

D. 5×3 $\frac{5}{4} = 1.2$ $\frac{3}{2} = 1.5$ X

9.

YZ

$\frac{22}{7} = 3.14$

$\frac{12}{6} = 2.0$

XZ

$\frac{22}{10} = 2.2$

$\frac{12}{5} = 2.4$

WZ

$\frac{22}{11} = 2$

$\frac{12}{6} = 2$

8.PQ

T $4/4 = 1$

S $6/6 = 1$

B $8/6 = 1.\bar{3}$

PR ✓

$4/2 = 2$

$6/3 = 2$

$8/4 = 2$

PS

$4/3 = 1.\bar{3}$

$6/4 = 1.5$

$8/5 = 1.6$

RS

$2/3 = 0.\bar{6}$

$3/4 = 0.75$

$4/5 = 0.8$

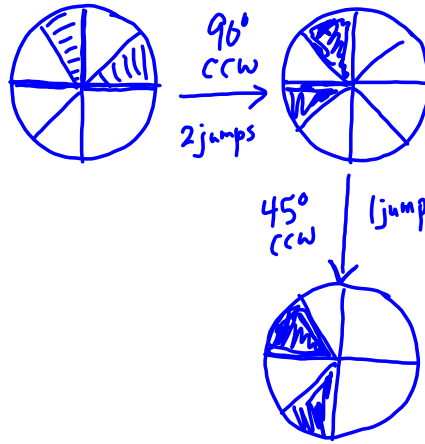
QS

$4/3 = 1.\bar{3}$


$6/4 = 1.5$

$6/5 = 1.2$

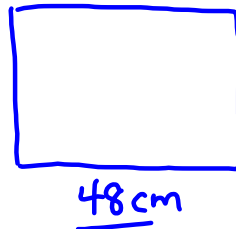
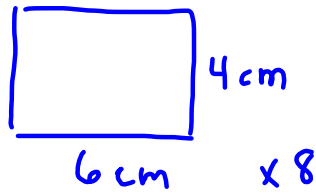
16. 135° CCW
 $90^\circ + 45^\circ = 135^\circ$



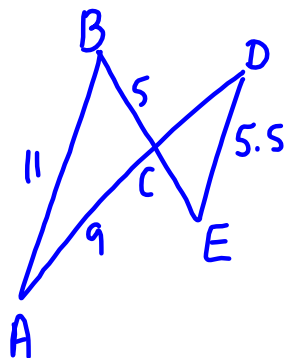
31. $\frac{x}{18} = \frac{54}{36}$ $\frac{y}{18} = \frac{90}{36}$
 $x = \frac{54(18)}{36}$ $y = \frac{18(90)}{36}$
 $= 27 \text{ cm}$ $= 45 \text{ cm}$

b)  $\frac{l}{36} = \frac{57.6}{18}$
 $l = \frac{36(57.6)}{18}$
 $= 115.2 \text{ cm}$

2.



22.



$\triangle BAC \sim \triangle EDC$

$\frac{CD}{CA} = \frac{DE}{AB}$

$\frac{CD}{9} = \frac{5.5}{11}$

$CD = \frac{9(5.5)}{11}$
 $= 4.5$

$\frac{CE}{CB} = \frac{DE}{AB}$

$\frac{CE}{5} = \frac{5.5}{11}$

$CE = \frac{5.5(5)}{11}$
 $= 2.5$

Homework

Chapter 8 Review in the exam booklet.