



Hmwk Questions

21 #25 $-\frac{75}{100} < \frac{25}{100}$

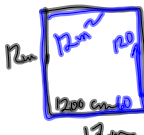


Chpt. 6 R

3. $49 \text{ cm} \times \frac{1 \text{ m}}{100 \text{ cm}} \rightarrow \frac{49}{100} \text{ m}$ or .49 m

29.  10cm by 20cm
 $A_p = 144 \text{ m}^2$
 $200 \text{ cm}^2 = 200 \text{ cm}^2$
 $7200 \text{ cm}^2 = \frac{1,440,000 \text{ cm}^2}{200}$

Nov 13-2:49 PM



$A_m = 144 \text{ m}^2$

$A_{cm} = \frac{1,440,000 \text{ cm}^2}{200 \text{ cm}^2}$

$1200 \times 1200 = 1440000$

$\frac{120}{60} = \frac{120000}{200}$

$\frac{200 \text{ cm}^2 \times 1 \text{ m}}{100 \text{ cm}^2} \times \frac{1 \text{ m}^2}{100 \text{ cm}^2} = \frac{2}{100} \text{ m}^2 = .02 \text{ m}^2$

$22 \overline{) 144000}$

Nov 13-3:09 PM

7.4 MULT. with Neg. Numbers

$(-3) \cdot 5 = -15$

$(-3)(-5)$

$2(-6) = -12$
 $-2(-6) = +12$
 $-2(6) = -12$

1) If the 2 numbers being mult. have the same sign, then the product is positive.

2) If the 2 #'s have diff. signs, then the product is negative.

Nov 13-3:16 PM

$(-8)^2 = (-8)(-8) = +64$

$-8^2 = -(8 \cdot 8) = -64$

$-(-8)^2 = -((-8)(-8)) = -64$

$(-3)^3 = (-3)(-3)(-3)$
 $9(-3) = -27$

$-3^3 = -(3 \cdot 3 \cdot 3) = -27$

$-(-3)^3 = -(-27) = 27$

Nov 13-3:20 PM

a) $-2[5 + (-8)]$
 $-2[-3] = 6$

b) $-3 + 4(-7 + 3)$
 $-3 + 4(-4)$
 $-3 + (-16)$
 -19

c) $-3(5) + 4(-4)$
 $-15 + (-16)$
 -31

d) $-2(3-5) - 7(-2-4)$
 $-2(3+5) - 7(-2+8)$
 $-2(-2) - 7(6)$
 $4 + 42$
 46

Nov 13-3:24 PM

e) $(-6-1)(4-9)$
 $(-6+(-1))(4+(-9))$
 $(-7)(-5)$
 35

f) $(\frac{3}{4})(-\frac{4}{7}) = -\frac{3}{7}$

g) $-3(-0.5) = 1.5$

$\frac{.5}{1.5} \times \frac{3}{3} = \frac{1.5}{4.5}$

Nov 13-3:28 PM