

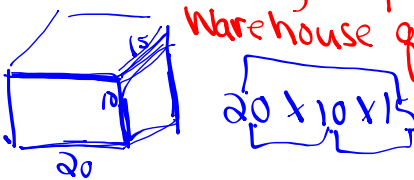
Test

Square roots and perfect squares section 1.1 to 1.2

Area of a square = (side)² $\square 8$ Side of square = $\sqrt{\text{area of square}}$ $\square 225$ $\sqrt{225} = 15$
 $A = 8^2$
 - whose square root is 2.4?
 means find the perfect square # so multiply by itself
 2.4^2 or $2.4 \times 2.4 = 5.76$ Perimeter = $15 \times 4 = 60$
 - is it a perfect square?
 take the square root and if the decimal stops or repeats then the number was perfect
 OR without a calculator:
 $\frac{36}{80} \checkmark$ $\frac{18}{40} = \frac{9}{20}$ $\frac{4}{25} \checkmark$ $0.49 \checkmark$ 8.1 0.225
 0.7 NO NO
 - square root of fraction take square root of top and bottom:
 $\sqrt{\frac{9}{16}} = \frac{3}{4}$ $\sqrt{\frac{25}{169}} = \frac{5}{13}$ $\sqrt{0.25} = 0.5$ $\sqrt{0.09} = 0.3$
 - bench marks find the perfect square that the number falls between
 Perfect Squares: 1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225

Surface area of composite objects

section 1.3 & 1.4

Combinations of rectangular prisms & triangular prisms & cylinders & cones
 rectangular prisms
 Warehouse questions


Benchmarks to estimate

$\sqrt{160}$
 $\sqrt{144} = 12$
 $\sqrt{169} = 13$
 $\boxed{12.6}$
 12.7
 12.8

$\sqrt{0.35}$
 $\sqrt{0.25} = 0.5$
 $\sqrt{0.36} = 0.6$
 ~ 0.58
 $\boxed{\sim 0.59}$

Class / Homework
Review For Test

- Handout: Surface Area Worksheet

Questions: 1-6
answers were on the board

- Questions from Textbook:

page 45 - 46

#2(b, d, f, h)	# 12ac
#3(a,b,c,d,e)	#13ab
#4(a,d)	#15(bc)
#5 (a, c, e)	#16(bc)
#6 (b,d)	#19(a)
# 7(ad)	

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5 Warehouse question