

Name : _____

Multiplication and Division

T2S3

Simplify each expression. Round your answer to the appropriate number of significant figures.

1) $254.2 \times 501 \times 22.34$

2) $0.0240 \times 5 \times 7050$

3) $885.28 \div 75$

$75 \div 65.83$

5) $7583.57 \div 380.2$

$75 \times 552.3 \times 18.86$

7) Ally renovates the floor of a room that is 12 feet long and 10 feet wide. She uses square tiles that are 3.2 square feet. Round the number of tiles to the appropriate number of significant figures.

The length and width of the floor are 17.5 feet and 12.5 feet, respectively. Determine the area of the floor, or, if the area of each tile is 3.2 square feet, determine the number of tiles needed to cover the floor. Round your answer to the appropriate number of significant figures.

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8) A rectangular prism has a length of 4.772 inches, width of 1.97 inches and a height of 3.23 inches. Determine the volume of the rectangular prism. Round your answer to the appropriate number of significant figures.
