

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) $7583.57 \div 380.2$

$\times 552.3 \times 18.86$

7) Ally renovates the floor of a room that is 12 feet long and 10 feet wide. If the area of each tile is 3.2 square feet. Round the number of tiles to the appropriate number of significant figures.

8) The length and width of the floor are 17.5 feet and 12 feet, respectively. If the area of each tile is 3.2 square feet, how many tiles are needed to cover the floor? Round your answer to the appropriate number of significant figures.

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Name : _____

Answer key

Multiplication and Division

T2S3

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

1) $254.2 \times 501 \times 22.34$

2,850,000

2) $0.0240 \times 5 \times 7050$

800

3) $885.28 \div 75$

12

$75 \div 65.83$

7.607

5) $7583.57 \div 380.2$

19.95

$75 \times 552.3 \times 18.86$

101,000

7) Ally renovates the floor of a room that is 12 feet long and 12 feet wide. Determine how many tiles she needs if each tile is 3.2 square feet. Round your answer to the nearest whole number.

66 tiles

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.

30.4 cubic inches

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