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| Help choose the correct answers from possible answers. The marked ones already are wrong; |
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1. The triangles are similar. Find the value of a. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Pre-Algebra%20Part%201/exam_6_files/mc003-1.jpg

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 | A. 12 |  |
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 | B. 6 |  |
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 | C. 16 |  |
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 | D. 10 |  |

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1. In a survey, 480 people, or 75%, said they attended a movie at least once a month. How many people were surveyed?

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 | A. 360 people |  |
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 | B. 555 people |  |
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 | C. 405 people |  |
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 | D. 640 people |  |

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1. Find P(rolling 2 or 5) with one number cube.

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 | A. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Pre-Algebra%20Part%201/exam_6_files/mc006-2.jpg |  |
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 | B. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Pre-Algebra%20Part%201/exam_6_files/mc006-3.jpg |  |
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 | C. 1 |  |
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 | D. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Pre-Algebra%20Part%201/exam_6_files/mc006-1.jpg |  |

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1. Gretchen is using an overhead projector to enlarge a drawing so she can make a poster. The original drawing measures 60 mm wide by 80 mm high. She moves the projector so that the width of the projected image is 300 mm. If the original drawing and the projected image are similar figures, what will be the height of the projected image?

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 | A. 400 mm |  |
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 | B. 225 mm |  |
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 | C. 440 mm |  |
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 | D. 180 mm |  |

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1. The probability of winning a particular game at the Game Place is https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Pre-Algebra%20Part%201/exam_6_files/mc010-1.jpg. Find the odds against winning the game.

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 | A. 5 to 1 |  |
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 | B. 3 to 4 |  |
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 | C. 1 to 4 |  |
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 | D. 3 to 1 |  |

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1. A bag contains 3 green marbles and 8 white marbles. Suppose a marble is randomly selected. What are the odds in favor of picking a white marble?

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 | A. 3 to 8 |  |
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 | B. 8 to 11 |  |
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 | C. 3 to 11 |  |
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 | D. 8 to 3 |  |

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1. The circulation of a newsletter decreased from 3,200 to 2,464. What was the percent of decrease in circulation?

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 | A. 129% |  |
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 | B. 77% |  |
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 | C. 2.3% |  |
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 | D. 23% |  |

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1. 21 is 35% of what number?

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 | A. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Pre-Algebra%20Part%201/exam_6_files/mc014-2.jpg; 7.4 |  |
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 | B. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Pre-Algebra%20Part%201/exam_6_files/mc014-4.jpg; 60 |  |
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 | C. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Pre-Algebra%20Part%201/exam_6_files/mc014-3.jpg; 40.8 |  |
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 | D. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Pre-Algebra%20Part%201/exam_6_files/mc014-1.jpg; 62.4 |  |

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