
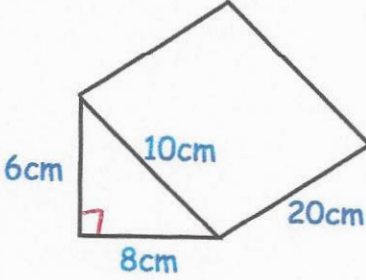


| 20th December                                                                                                                                                                        |                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>List the prime numbers between 20 and 40.</p> <p>23, 29, 31, 37</p>                                                                                                               | <br>Corbettmaths                                                                                                                 |
| <p>When Ali takes a penalty the probability that he will score a goal is <math>\frac{4}{5}</math>.</p> <p>Ali takes 30 penalties, how many times is he expected to score a goal.</p> | <p><math>\frac{4}{5}</math> of 30</p> <p><math>30 \div 5 = 6</math></p> <p><math>6 \times 4 = 24</math>      24</p>                                                                                                 |
| <p>There are red, green and white counters in a bag.</p> <p><math>\frac{3}{8}</math> of the counters are red.</p> <p><math>\frac{1}{6}</math> of the counters are green.</p>         | <p>What fraction of the counters are white?</p> <p><math>\frac{3}{8} + \frac{1}{6}</math></p> <p><math>\frac{9}{24} + \frac{4}{24} = \frac{13}{24}</math></p> <p><math>1 - \frac{13}{24} = \frac{11}{24}</math></p> |
|                                                                                                   | <p>Calculate the volume</p> <p><math>\frac{1}{2}(6 \times 8) = 24</math></p> <p><math>24 \times 20 = 480 \text{ cm}^3</math></p>                                                                                    |
| <p>Expand <math>4(x + 3)</math></p> <p><math>4x + 12</math></p>                                                                                                                      |                                                                                                                                                                                                                     |