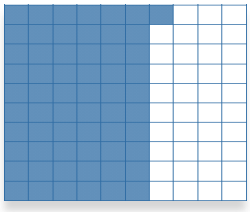
| | | |
|---|---|---|
| 9. | What fraction of this square is shaded?<br>  | _____ |
| 10. | Which of the following numbers has the greatest value?<br><br>0.25 0.251 0.205 0.215 0.255 0.211 0.210 | _____ |
| 11. | A ladder that is 2.9m in length is leaning against a 3.48m high wall. What is the difference in height between the wall and the ladder? | _____ |
| 12. | Mr. Johnson took his wife and three children to a theme park. He spent £6.50 on each person's entrance fee and then bought candy floss for £5.99. How much change will he receive from £50? | _____ |
| 13. | Anna revises each week for her tests at school. For every hour she studies French, she spends 3 hours revising History. If she studies French for 3 hours every week, how many hours would she spend studying History in 9 weeks? | _____ |
| 14. | A fully automated music player has been programmed with 4 jazz songs, 3 pop songs, 5 rock songs, and 2 rap songs. It selects songs at random. What is the probability it will pick a:<br><br>a) rap song<br><br>b) pop song | a) _____<br><br>b) _____ |
| 15. | If Ben jogs 3 miles in 15 minutes, what is his average speed in miles/hour? | _____ |

| | | |
|---|---|---|
| 16. | If these fractions were arranged in ascending order, which fraction would come fourth?<br><br>$20\ ^{4}/_{7}$ $20\ ^{12}/_{16}$ $20\ ^{1}/_{7}$ $20\ ^{8}/_{9}$ $20\ ^{11}/_{12}$ $20\ ^{13}/_{27}$ | _____ |

| | | | |
|---|---|---|---|
| 9. | Total Number of squares = 100<br>Shaded number of squares = 61<br><br>Fraction = $\frac{\mathbf{61}}{\mathbf{100}}$ | 10. | **0.255** |
| 11. | 3.48 – 2.9 = **0.58** | 12. | Total Number of people = 5<br><br>Total amount spent on tickets<br>5 x £6.50 = £32.50<br><br>Total amount spent<br>£32.50 + £5.99 = £38.49<br><br>Change from £50 note<br>£50 – £38.49 = **£11.51** |
| 13. | Each week she studies French for 3 hours.<br><br>3 hours x 9 weeks = 27 hours of French studied<br><br>For every hour of French studied, she studies 3 hours of History, so<br><br>27 hours x 3 = 81 hours | 14. | Total number of choices = 4 + 3 + 5 + 2 = 14<br><br>a) Rap song = $^{2}/_{14}$ = $\mathbf{^{1}/_{7}}$<br><br>b) Pop song = $\mathbf{^{3}/_{14}}$ |
| 15. | There are four 15 minutes in an hour.<br><br>3 miles x 4 = 12 miles/hour | 16. | First, write them as decimals under the numbers.<br><br>Then find the fourth number if they were arranged in ascending order<br><br>In this case, the answer is $\mathbf{20\ ^{12}/_{16}}$ |