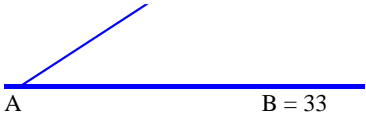
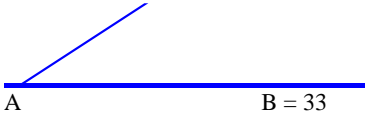
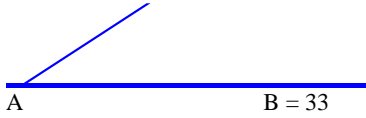








<p>16) Factorise <math>8j^2 + 82j + 20</math></p> <p>Answer: _____</p>	<p>17) <math>\frac{20}{14} - \frac{12}{19}</math></p> <p>Answer: _____</p>	<p>18)  Find the Angle at side A.</p> <p>Answer: _____</p>
<p>19)  Find the Angle at side A.</p> <p>Answer: _____</p>	<p>20)  Find the Angle at side A.</p> <p>Answer: _____</p>	<p>21) Round 2.86752467521 to the nearest whole number.</p> <p>Answer: _____</p>
<p>22) Solve <math>1f^2 - 10f - 3 = 0</math> Round your solutions to 1 decimal place.</p> <p>Answer: _____</p>	<p>23) Round 15.03 to 1 decimal places.</p> <p>Answer: _____</p>	<p>24) An amount was decreased by 1% to \$299.25. Find the original amount.</p> <p>Answer: _____</p>
<p>25) Write <math>9 \times 10^1</math> as a normal number.</p> <p>Answer: _____</p>	<p>26) <math>\frac{13}{15} \div \frac{14}{2}</math></p> <p>Answer: _____</p>	<p>27) Factorise <math>f^2 + 5f + 6</math></p> <p>Answer: _____</p>
<p>28) Find the percentage change from 100 to 164</p> <p>Answer: _____</p>	<p>29) 09:10 am To 07:20 pm</p> <p>Answer: _____</p>	<p>30)  Find perimeter of square having each side (s) equals 7155 ft</p> <p>Answer: _____</p>



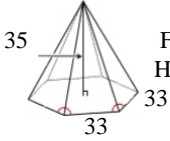
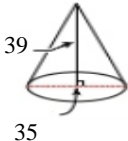


31) What would you multiply by to increase an amount by 64%?  <p style="text-align: right;">Answer: _____</p>	32) 66% of 316  <p style="text-align: right;">Answer: _____</p>	33) Find the range of the following set of data: 0, 8, 19, -8, 0.1, -2, 0, -1  <p style="text-align: right;">Answer: _____</p>
34) $11^{10}/_{17} \div 29^{1/2}$  <p style="text-align: right;">Answer: _____</p>	35) $(-7847) + (-8063)$  <p style="text-align: right;">Answer: _____</p>	36) $(-7847) + (-8063)$  <p style="text-align: right;">Answer: _____</p>
37) A number is chosen at random from 1 to 75. Find the probability of selecting factors of 20.  <p style="text-align: right;">Answer: _____</p>	38) $54 \times 10$  <p style="text-align: right;">Answer: _____</p>	39) $97.3 \times 35.5$  <p style="text-align: right;">Answer: _____</p>
40) Round 11.889 to the nearest 10  <p style="text-align: right;">Answer: _____</p>	41) $2156 \div 28$  <p style="text-align: right;">Answer: _____</p>	42) $40^{14}/_{16} \div 36^{4/5}$  <p style="text-align: right;">Answer: _____</p>
43) Round 6.59330069984751 to 5 significant figures.  <p style="text-align: right;">Answer: _____</p>	44) Solve $1q^2 - 18q - 15 = 0$ Round your solutions to 1 decimal place.  <p style="text-align: right;">Answer: _____</p>	45) $(17 \div 16)^2 + 2 \times 8$  <p style="text-align: right;">Answer: _____</p>





61) $\frac{1}{5} + \frac{39}{16}$          Answer: _____	62) Find the value of 'f' by completing the square of the following equation: $x^2 + 6x + 8$          Answer: _____	63) $\frac{8}{15} + \frac{27}{6}$          Answer: _____
64) $\frac{4}{33}$ of 66          Answer: _____	65) $(-8536) \div (-88)$          Answer: _____	66) $(-8536) \div (-88)$          Answer: _____
67) $(m^8)^{-18}$          Answer: _____	68) Find the range of the following set of data: 0.1, 20, -0, 0.7, -12, -4, -7, 0.2, 3, 17, 11          Answer: _____	69) $66000 \div 1000$          Answer: _____
70) $4192 + (-1642)$          Answer: _____	71) Find the median of the following set of data: 10, 40, 24, 28, 35, 19, 13, 24, 26, 28, 2, 34, 2, 20, 39, 20, 32, 34, 40, 40          Answer: _____	72) Decrease 83 by 93%          Answer: _____
73) Solve $2d^2 - 19d - 1 = 0$ Round your solutions to 1 decimal place.          Answer: _____	74)  Find perimeter of square having each side (s) equals 3246 in          Answer: _____	75) $8649.3 - 6962.2$          Answer: _____



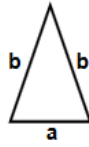
76) Solve by factorising $q^2 - 4q + 4 = 0$  Answer: _____	77) A number was shared in the ratio 45:15. The smaller share was 73. What was the total amount shared?  Answer: _____	78) What would you multiply by to increase an amount by 66%?  Answer: _____
79) A number is chosen at random from 1 to 75. Find the probability of selecting divisors of 20.  Answer: _____	80) Convert the following fraction into a mixed number: $\frac{33}{25}$  Answer: _____	81) Factorise $4q^2 + 8q + 3$  Answer: _____
82) $\frac{4}{16} + \frac{20}{9}$  Answer: _____	83)  Find Volume of Hexagonal Pyramid  Answer: _____	84) $(8 \times 8^8) + (9 \times 4^3)$  Answer: _____
85) Find the range of the following set of data: 17, 0.8, 0.4, 16, 0.6, -0.9, 15  Answer: _____	86)  Find Volume of Cone  Answer: _____	87) $34 \frac{8}{11} - 31 \frac{1}{2}$  Answer: _____
88) 39% of 443  Answer: _____	89)  Find the Angle at side A.  Answer: _____	90)  Find the Angle at side A.  Answer: _____



91) \$370.00 earning 7% compound interest for 7 years.

Answer: \_\_\_\_\_

92)



Find area of triangle  
 $a = 9892$  cm,  $b = 9914$  cm

Answer: \_\_\_\_\_

93)  $64^{8/12}$

Answer: \_\_\_\_\_

94) 02:37 am To 09:06 am

Answer: \_\_\_\_\_

95) Find the value of 'j' by completing the square of the following equation:  $2 + 12j + 20$

Answer: \_\_\_\_\_

96) What would you multiply by to decrease an amount by 79%?

Answer: \_\_\_\_\_

97) Write  $6 \times 10^2$  as a normal number.

Answer: \_\_\_\_\_

98) Find the mean of the following set of data:  
0.9, 37, 0.9, 0.2, 0.8

Answer: \_\_\_\_\_

99)  $(-1616) + 6415$

Answer: \_\_\_\_\_

100)  $40/15 + 4/3$

Answer: \_\_\_\_\_

**Total: \_\_\_ / 100**

Name: \_\_\_\_\_

April 26, 2024

**Answers:**

- |                          |                          |                         |                       |                      |                        |                        |
|--------------------------|--------------------------|-------------------------|-----------------------|----------------------|------------------------|------------------------|
| 1) 79.9                  | 2) -2074.6               | 3) 23.63                | 4) 425                | 5) $2\frac{3}{25}$   | 6) 14                  | 7) 3 : 2               |
| 8) $s = 1$ or $-20$      | 9) 0.0007                | 10) 1.58                | 11) 12965             | 12) $\frac{7}{45}$   | 13) $(j + 4)(j + 4)$   | 14) 1590.68            |
| 15) 170                  | 16) $(2j + 20)(j + 2)$   | 17) $\frac{106}{133}$   | 18) 147               | 19) 147              | 20) 147                | 21) 3                  |
| 22) $f = 10.3$ or $-0.3$ | 23) 15                   | 24) \$296.26            | 25) 90                | 26) $\frac{13}{105}$ | 27) $(f + 2)(f + 3)$   | 28) 64%                |
| 29) 10 Hours 10 Mins     | 30) 28620ft              | 31) 1.64                | 32) 208.56            | 33) 27               | 34) $\frac{394}{1003}$ | 35) -15910             |
| 36) -15910               | 37) $\frac{0}{1}$        | 38) 540                 | 39) 3454.15           | 40) 11.9             | 41) 77                 | 42) $1\frac{63}{1472}$ |
| 43) 6.5933               | 44) $q = 18.8$ or $-0.8$ | 45)                     | 46) 10900.6           | 47) 75.25            | 48) 127                | 49) 44662489cm         |
| 50) 19                   | 51) 76710612in           | 52) 0.62                | 53) 5                 | 54) 100%             | 55) $(x + 3)(x + 4)$   | 56) $\frac{23}{25}$    |
| 57) 138                  | 58) $28\frac{2}{5}$      | 59) 105.6               | 60) $18\frac{2}{3}$   | 61) $2\frac{51}{80}$ | 62) $(f + 3)^2 - 1$    | 63) $5\frac{1}{30}$    |
| 64) 8                    | 65) 97                   | 66) 97                  | 67) $m^{-144}$        | 68) 32               | 69) 66                 | 70) 2550               |
| 71) 15                   | 72) 5.81                 | 73) $d = 9.6$ or $-0.1$ | 74) 12984in           | 75) 1687.1           | 76) $q = 2$ or $2$     | 77) 292                |
| 78) 1.66                 | 79) $\frac{2}{25}$       | 80) $1\frac{8}{25}$     | 81) $(2q + 3)(q + 1)$ | 82) $2\frac{17}{36}$ | 83) 33008.558265244    | 84) 134218304          |
| 85) 17.9                 | 86) 12507.465752104      | 87) $3\frac{5}{22}$     | 88) 172.77            | 89) 163              | 90) 163                | 91) \$594.14           |
| 92) 42371013.41329cm     | 93) 16                   | 94) 06 Hours 29 Mins    | 95) $(j + 6)^2 - 16$  | 96) 0.21             | 97) 600                | 98) 7.96               |
| 99) 4799                 | 100) $4\frac{0}{1}$      |                         |                       |                      |                        |                        |