



## NUMBER PUZZLE – CRACK THE CODE

Each letter matches the number below it. Solve the problems. Then find the letter that matches each answer and write them in the spaces provided to crack the code.

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>
<b>90</b>	<b>108</b>	<b>62</b>	<b>10</b>	<b>38</b>	<b>37</b>	<b>93</b>	<b>56</b>	<b>44</b>	<b>53</b>	<b>144</b>	<b>61</b>	<b>7</b>
<b>N</b>	<b>O</b>	<b>P</b>	<b>Q</b>	<b>R</b>	<b>S</b>	<b>T</b>	<b>U</b>	<b>V</b>	<b>W</b>	<b>X</b>	<b>Y</b>	<b>Z</b>
<b>39</b>	<b>336</b>	<b>28</b>	<b>47</b>	<b>9</b>	<b>34</b>	<b>96</b>	<b>14</b>	<b>21</b>	<b>83</b>	<b>99</b>	<b>11</b>	<b>17</b>

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- $(6 \times 9) + (3 \times 12) = \underline{\quad}$
  - $(84 - 32) - 13 = \underline{\quad}$
  - $11 + 23 + 35 + 21 = \underline{\quad}$
  - Jim receives an allowance of 30 cents per kilometre he travels on his bike. How much for 130kms? \$ $\underline{\quad}$
  - $\frac{1}{4}$  of 176 =  $\underline{\quad}$
  - One decade – 3 years =  $\underline{\quad}$
  - $24.68 + 65.32 = \underline{\quad}$
  - Three friends went on holiday. Their accommodation cost was \$120, food cost \$48 and petrol \$15. How much did each person pay if costs were divided evenly? \$ $\underline{\quad}$
  - $14 + 45.5 + 2.5 = \underline{\quad}$
  - $(90 \div 10) \times (80 \div 8) = \underline{\quad}$
  - $(\frac{1}{3} \text{ of } 120) - 1 = \underline{\quad}$
  - In a baseball game the Tigers made 14 runs and the Fire Balls 7 runs. By how many runs did the Tigers win?  $\underline{\quad}$
  - How many minutes from 11.15 am to 12.45 am?  $\underline{\quad}$  minutes
  - 12 squared =  $\underline{\quad}$
  - $(13 + 5 + 26) - 6 = \underline{\quad}$
  - Mr Spinner, a Yo-Yo manufacturer made 75 Yo-Yos. Each Yo-Yo needs 1.2m of string. How many metres of string needed for all of the Yo-Yos?  $\underline{\quad}$  metres
  - $(7 \times 12) + (84 \div 7) = \underline{\quad}$
  - $(14\text{cm} - 8\text{cm}) + 32\text{cm} = \underline{\quad}\text{cm}$
  - The square root of 81 =  $\underline{\quad}$
  - Penny uses 25 cents worth of electricity for every hour she spends ironing. How much for 36 hours of ironing? \$ $\underline{\quad}$
  - $(75\% \text{ of } 60) + (75\% \text{ of } 40) - 31 = \underline{\quad}$
  - How many years is there between 1943 and 1906?  $\underline{\quad}$  years
  - $(88 \div 2) = \underline{\quad}$
  - Brad and Adam played golf and they started with 65 balls between them. They lost 9 balls but they found 6. How many golf balls did they have at the end?  $\underline{\quad}$  golf balls
  - $(74 + 14) - (33 + 18) = \underline{\quad}$



Lower  
Primary



Primary



Middle  
Years



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26.  $(5 \times 9) - (4 \times 9) = \underline{\quad}$
27.  $(93\text{kg} - 18\text{kg}) - 31\text{kg} = \underline{\quad}\text{kg}$
28. Steve bought some items for his dog: dog food \$24, dog bowl \$4.50, dog brush \$3.75 and a toy \$5.75. How much altogether?  
\$
29.  $(220 - 70) - 111 = \underline{\quad}$
30.  $(1000 \div 10) \div 10 = \underline{\quad}$
31.  $(12 \times 12) - (3 \times 12) = \underline{\quad}$
32. Josh's gran planted 2 punnets of daisies, each containing 10 plants. Her dog pulled out 6 plants. How many daisies left?          daisies
33. One century - 4 years =          years
34.  $(1/6 \text{ of } 24) + (1/3 \text{ of } 15) = \underline{\quad}$
35.  $76 \div 2 = \underline{\quad}$
36. If today was January 22, how many days until February 25? =          days
37.  $(110 \div 11) + (180 \div 10) = \underline{\quad}$
38.  $(8 \times 7) \times 6 = \underline{\quad}$
39.  $4 + 19 + 7 + 9 = \underline{\quad}$
40. Daniel's new remote-control car travels at 17kms per hour. How far will it travel in 2 hours?         kms
41.  $(25\% \text{ of } 44) \times 4 = \underline{\quad}$
42. 9 decades + 18 years =          years
43.  $(124 - 43) - 37 = \underline{\quad}$
44. Alfred had 184 walnuts in a bag. Chip, the possum ate 41 walnuts, and his possum mate ate 82. How many walnuts left?  
         walnuts
45. How many minutes from 4.52pm to 5.36pm?  
         minutes
46.  $56 + 32 + 8 = \underline{\quad}$
47.  $(47 + 8) \div 5 = \underline{\quad}$
48. Jake and Nat went to meet their gran at the airport at 5.46 pm but the plane didn't arrive until 6.23 pm. How many minutes was the plane delayed?          minutes
49.  $348 - 12 = \underline{\quad}$
50.  $18 \div 2 = \underline{\quad}$
51.  $(85 - 18) - (34 - 11) = \underline{\quad}$
52. Sue went shopping and spent \$45 in one shop and \$15 in another. She also bought a gift for \$18, socks for \$12 and bought lunch for \$6. How much did she spend altogether?  
\$
53. 4kg of mince at \$11 per kg = \$
54.  $(10 \div 5) \times (85 \div 5) = \underline{\quad}$
55. The square root of 121 =
56. Alison's Pool held 5000 litres of water. The pool sprung a huge leak and 4664 litres were lost. How many litres left?
57.  $(11 + 2.75) + .25 = \underline{\quad}$
58.  $(81 \div 3) \div 3 = \underline{\quad}$
59.  $136 \div 4 = \underline{\quad}$
60. Megan receives 20 cents for every flyer she delivers. How much for 220 flyers? \$
61.  $(57 + 21) \div 2 = \underline{\quad}$
62.  $(6 \times 7) + (6 \times 9) = \underline{\quad}$
63.  $(6 \times 6) + (4 \times 4) + (2 \times 2) = \underline{\quad}$
64. It was 12 degrees in the morning but by lunch time the temperature had risen by 26 degrees. What was the temperature at lunch time?          degrees
65.  $(115 - 43) - (26 + 8) = \underline{\quad}$
66.  $(3/4 \text{ of } 16) + (3 \times 9) = \underline{\quad}$
67.  $0.13 + 2.86 + 5.64 + 1.37 = \underline{\quad}$



Lower  
Primary



Primary



Middle  
Years



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### Problem solutions

- |     |     |     |     |     |    |     |    |     |    |     |     |
|-----|-----|-----|-----|-----|----|-----|----|-----|----|-----|-----|
| 1)  | 90  | 2)  | 39  | 3)  | 90 | 4)  | 39 | 5)  | 44 | 6)  | 7   |
| 7)  | 90  | 8)  | 61  | 9)  | 62 | 10) | 90 | 11) | 39 | 12) | 7   |
| 13) | 90  | 14) | 144 | 15) | 38 | 16) | 90 | 17) | 96 | 18) | 38  |
| 19) | 9   | 20) | 9   | 21) | 44 | 22) | 37 | 23) | 44 | 24) | 62  |
| 25) | 37  | 26) | 9   | 27) | 44 | 28) | 38 | 29) | 39 | 30) | 10  |
| 31) | 108 | 32) | 14  | 33) | 96 | 34) | 9  | 36) | 38 | 36) | 34  |
| 37) | 28  | 38) | 336 | 39) | 39 | 40) | 34 | 41) | 44 | 42) | 108 |
| 43) | 44  | 44) | 61  | 45) | 44 | 46) | 96 | 47) | 11 | 48) | 37  |
| 49) | 336 | 50) | 9   | 51) | 44 | 52) | 96 | 53) | 44 | 54) | 34  |
| 55) | 11  | 56) | 336 | 57) | 14 | 58) | 9  | 59) | 34 | 60) | 44  |
| 61) | 39  | 62) | 96  | 63) | 56 | 64) | 38 | 65) | 38 | 66) | 39  |
| 67) | 10  |     |     |     |    |     |    |     |    |     |     |

### Code solution

AN ANIMAL CAN MAKE A TERRIFIC  
FRIEND BUT RESPONSIBILITY  
FOR IT IS YOURS IN THE END.



Lower  
Primary



Primary



Middle  
Years