|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Arithmetic – do in your head:** | | | | |
| 6.12 + 0.7 = | 5/6 – 1/6 = | | 3/10 + 4/10 = | 20.3 – 18.2 = |
| 1/3 x 1/5 = | 9 x 2 ¼ = | | 2/3 ÷ 3 = | 1/3 + ¼ = |
| **Reasoning questions – show your working:** | | | | |
| In the chart any **three**  numbers in a line, **across or**  **down,** have a **total of**  **18.45.** Write the **missing**  number. | | Put a tick () in **each row** to  complete this table. One has  been done for you.   |  |  |  | | --- | --- | --- | |  | greater than | less than | | **0.9** |  |  | | **0.06** |  |  | |  |  |  | | **0.21** |  |  | | | |
| Circle the **two** fractions that  are equivalent to **0.6:** | | Circle two numbers which have a difference of 2:    –1 –0.5 0  0.5 1 1.5 | | |
| Write the missing number on this number line: | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Arithmetic – do in your head:** | | | |
| 8.6 – 3.75 = | 5/6 – 1/3 = | 3/10 + 4/15 = | 21.3 – 17.25 = |
| 1/3 x 1/5 x ½ = | 7 x 22 1/3 = | 1/5  ÷ 3 = | 1/3 + 1/6 + 1/9 = |
| **Reasoning questions – show your working:** | | | |
| Write in the missing  numbers.         ÷  21.7= 37.5  100 - (22.75 +  19.08)  = | | Calculate of 0.4 x **378.** | |
| Calculate **31.6 × 7.** | |
| **7.4    8.1 9.4    10**  Which two of these  numbers, when multiplied  together, have the answer  closest to 70?  and  Explain how you know.  …………………………………………  …………………………………………  …………………………………………  …………………………………………  …………………………………………  …………………………………………  …………………………………………  ………………………………………… | | Here are five number cards.    Use **four** of the cards (once each only) to complete these calculations. | |
| Write the missing number: | |
| **Arithmetic – do in your head:** | | | |
| 28.16 – 23.75 = | 5/6 – (1/3 + 1/3) = | 3/10 + 4/15 – 1/5 = | 21.33 – 17.251 = |
| 1/3 x 1/6 x 1/9 = | 1½ x 22 1/3 = | 6/21  ÷ 3 = | 1/3 + 1/7 + 1/8 = |
| **Reasoning questions – show your working:** | | | |
| Write three decimals,  **each greater than zero**,  which add together to  make a total of **0.01.**       **+**  **+     =  0.01** | | Write **two decimals, each less than**  **1**, which multiply to make **0.1**  **×    = 0.1** | |
| Write a **decimal** which is  **greater than**  and **less than** . | | Write a **fraction** which is **greater**  **than 0.7** and **less than 0.71.** | |
| .y stands for a number.  y × y × y = 5  The most accurate value for y to one decimal place is 1.7 because  1.7 × 1.7 × 1.7 = 4.913  k stands for a number.  k × k × k = 10  Find the most accurate value for k correct to one decimal place. | | Working out for k question: | |