|  |
| --- |
| **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** tocomplete this table. One hasbeen done for you.

|  |  |  |
| --- | --- | --- |
|   | greater than  | less than  |
| **0.9** |  |   |
| **0.06** |   |   |
|  |   |   |
| **0.21** |   |   |

 |
| Circle the **two** fractions thatare 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 missingnumbers.       ÷  21.7= 37.5100 - (22.75 +  19.08)  =   | Calculate of 0.4 x **378.** |
| Calculate **31.6 × 7.** |
| **7.4    8.1 9.4    10**Which two of thesenumbers, when multipliedtogether, have the answerclosest 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 tomake 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 = 5The most accurate value for y to one decimal place is 1.7 because1.7 × 1.7 × 1.7 = 4.913k stands for a number.k × k × k = 10Find the most accurate value for k correct to one decimal place. | Working out for k question: |