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| **No.** | **WORKING** | **AWARD** | **EXPLANATION** |
| **1.** | Twenty seven million seven hundred and seven thousand eight hundred and seven | **B1****B1** |  |
|  |  | **02** |  |
| **2.** | a) 2/4=3/6b)2/5<3/4 | **B1****B1** |  |
|  |  | **02** |  |
| **3.** | a)onesb)hundredthsc)tenths | **B1****B1****B1** |  |
|  |  | **03** |  |
| **4.** | 256=2X2X2X2X2X2X2X2=28 | **04** |  |
| **5.** | 7/8$÷\frac{5}{2}+7/4÷5/4$(7/8X2/5)+(7/4X4/5)7/20+7/57/4 or 1$\frac{3}{4}$ | **M1****M1****A1** | Removing bracketDivision |
|  |  | **03** |  |
| **6.** | 51$\frac{3}{4}$=$\frac{207}{4}$km, $\frac{69}{8}$litres$\frac{69}{8}$ = $\frac{207}{4}$1litre=? $\frac{207×8}{4×69}$==6km/lit  | **M1****M1****M1****A1** |  |
|  |  | **04** |  |
| **7.** | a) -2>-3b) -3<4C) 5>-5 | **B1****B1****B1** |  |
|  |  | **03** |  |
| **8.** | 24=2X2X2X3=23X315=3X516=2X2X2X2=24LCM=24X3X5 =16X3X5 =240 | **M1****M1****M1****A1** |  |
|  |  | **04** |  |
| **9.** | a) 7, 2b) 2,3 | **B1****B1** |  |
|  |  | **02** |  |
| **10.** | a) $\frac{3}{4}×100$ =75%b)$ \frac{1}{4}×100$ =25% | **M1****A1****M1****A1** |  |
|  |  | **04** |  |
| **11.** | 60=22x3x580=24x5120=23x3x5GCD=22x5 =4x5 =20 | **M1****M1****A1** |  |
|  |  | **03** |  |
| **12.** | **K**=6Total parts=20Fraction=6/20 3/10 | **M1****M1****A1** |  |
|  |  | **03** |  |
| **13.** | 5005005005 | **B2****B1****B0** | All positions correct6-9 positions correctLess than6 positions |
|  |  | **02** |  |
| **14.** | Let one be n,1st =n, 2nd= n+1n+(n+2)=742n=72N=36Nos,36 &38 | **M1****M1****M1****A1** | Both correct |
|  |  | **04** |  |
| **15.** | $1\frac{3}{4}$= $\frac{7}{4}$$2\frac{6}{7}$= $\frac{20}{7}$ | **M1A1****M1****A1** |  |
|  |  | **04** |  |
| **16.** | a) -10 -7b)  -3 0 +1c) 0 1 8 | **B1****B1****B1** |  |
|  |  | **03** |  |
| **17** | 1. Let tens digit be x

$x+\frac{5}{4}x$=9$\frac{9}{4}x$=9X=4Ones=5/4x4=5No =451. +ve diff=5-4

Max quotient=5/4Product =1x5/4 =5/4 or 11/4 | **M1****M1****M1****M1****M1****A1****M1****M1****M1****A1** |  |
|  |  | **10** |  |
| **18.** | a) LCM=23x3x5 =8x3x5 =100 min =1hr 40minsTime =9:15+1hr 40min =10:55 amb)LCM =23x3x5=100 =1hr40mins5th time=100x4 =400mins =8hrs40mins =9:15+8hrs40mins =5:55pm | **M1****M1****M1****M1****M1****A1****M1****M1****M1****A1** |  |
|  |  | **10** |  |
| **19.** | a)i) 70.864 70 ii)708.63 700iii)70863 70,000iv)708.63 700b)2997 900 | **B2****B2****B2****B2****B2** |  |
|  |  | **10** |  |
| **20.** | a)Common diff=1LCM 8=239=32 6=2X3LCM=23X32 =8X9 =72No. =72+1 =73SUM=7+3 =10b)LCM=24 GCD=4No.=LCMXGCD/Product =24x4/8x12 =1  | **M1****M1****M1****M1****M1****M1****A1****M1****M1****A1** |  |
|  |  | **10** |  |
| **21.** | a) divisible by both 2&3 hence divisible by 6b)not divisible by 2 hence not divisible by 6c)divisible by both 2&3hence divisible by 6d)not divisible by 3hence not divisible by6e)divisible by 2&3hence divisible by 6 | **B1****B1****B1****B1****B1****B1****B1****B1****B1****B1** |  |
|  |  | **10** |  |
| **22.** | a)196=22x72b)72=23x32c)385=5x7x11d)300=22x3x52e)715=5x11x13 | **B2****B2****B2****B2****B2** |  |
|  |  | **10** |  |
| **23.** | a)youngest +second=($\frac{1}{12}+\frac{1}{9})$  =$\frac{7}{36}$ Eldest=1-$\frac{7}{36}$  =$\frac{29}{36}$b)eldest=$\frac{29}{36}$ $if \frac{29}{36}≡330$$$∴\frac{36}{36}≡? $$$$=\frac{330x36}{29} $$$$=409.655$$ | **M1****M1****M1M1****A1****M1****M1****M1****M1****A1** |  |
|  |  | **10** |  |
| **24.** | a) 370 0b)2499 2500c)3867940,000d)473678 473,000e)501 1000 |  |  |
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