

Dinglewell Infant School



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Maths Intergalactic Travel Passport
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**Maths Intergalactic Space Travel Passport
Help Guide to Mars**

You are now heading to Mars. Your new targets are:

Mars
Know by heart all number bonds that total 20
Count in threes from 0-30
Subtract from 20 fluently
Know by heart all pairs of multiples of 10 that total 100

Mars	Examples	Can your child answer these questions?
Know by heart all number bonds that total 20	$0 + 20 = 20$ $1 + 19 = 20$ $2 + 18 = 20$ Up to.... $19 + 1 = 20$ $20 + 0 = 20$	How many pairs of numbers which total 20 can you remember? What would you add to 8 to get a total of 20? Use number cards from 0 to 20 - can you pair the numbers which make 20? If I had 20 chocolate buttons and ate 6 how many would be left?



Mars	Examples	Can your child answer these questions?
Count in threes from 0-30	Count forwards and backwards from 0 to 30 in 3s $0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30$ $30, 27, 24, 21, 18, 15, 12, 9, 6, 3, 0$	How far can you count in threes? What number would follow in this sequence: 12, 15, 18? How far can you continue the sequence What about this sequence? 24, 21, 18,... What would come next? Can you get back to 0? What number is missing? 6, 9, __, 15
Subtract from 20 fluently	$20-1=19$ $20-19=1$ $20-2=18$ $20-18=2$ $20-3=17$ $20-17=3$ $20-4=16$ $20-16=4$ $20-5=15$ $20-15=5$ $20-6=14$ $20-14=6$ $20-7=13$ $20-13=7$ $20-8=12$ $20-12=8$ $20-9=11$ $20-11=9$ $20-10=10$	If you know that $18 + 2 = 20$ what else do you know? http://www.snappymaths.com/subtraction/subf20/interactive/subf20attack.htm
Know by heart all pairs of multiples of 10 that total 100	$0+100 = 100$ $10+90 = 100$ $20+80 = 100$ $30+70 = 100$ $40+60 = 100$ $50+50 = 100$ $60+40 = 100$ $70+30 = 100$ $80+20 = 100$ $90+10 = 100$ $100+0 = 100$ And related subtraction facts e.g. $100-40=60$	Look at these multiples of 10... which pairs give a total of 100? 0 10 20 30 40 50 60 70 80 90 100