Monday	TUESDAY	WEDNESDAY	THURSDAY	Friday	A LITTLE BIT OF MATI	SUNDAY
	API	RIL 2 (D17		Glass B cordial = 1/8	xtures are : water = $3 : 22 \frac{3}{25} = \frac{12}{100} = 12.7$ of the total volume $\frac{1}{2} = 12.57$ 75% of the total volume $12.75%$
3 Factorise fully y ² + 27y پ(ن + 27)	Work out the value of 2×10^{-2} $(6 \times 10^5) \div (3 \times 10^7)$	Solve $5x^2 = 80$ x = 4y	6 What is the square root of 100 Million?	Simplify fully $\frac{m^{1.5} \times m^{-5}}{m^3}$	Rachael took a l Rachael took a l She scored 28 ma David took an E 69:09 le scored 32 mar To get an "A" 70% must be ach	rks out of 40. 28 × 100 nglish test. 70 ks out of 47.
x ² - 16 (2.+4)(24) 10 Mel says "when you square a umber the answer will always be even". Is Mel correct? Justify your answer answer 2. 9 where 3. 2. 9 where be other 3. 3. 5 9 where	11 Without a calculator or without doing the exact calculation, explain why the following is wrong:	12 I invest £140 in account that pays compound interest of 5% per annum. How much interest will I earn in 5 years? £38.68	10,000 13 Write 64 as a product of its prime factors $2 \times 2 \times 2 \times 2 \times 2 \times 2$	$m^{-3\cdot5}/m^3 = m^{-6\cdot5}$ What is the value of n? $2^2 \times 2^n = 2^{-3}$ n = -5	20 Alfie has 20 sweets. Ben 20-20 Alfie gives Ben 20-20 - \$ Alfie then eats 5 0	x sweets. 20+2 f his sweets. of his sweets. 20+2
72000 m/nav 17 1200 m/nin	18 18og of copper is mixed with 105g of zinc to make an alloy. The density of copper is 9 g/cm ³ and the density of zinc is 7 g/cm ³ . Work out the volume of copper used in the alloy.	Calculate: $3\frac{3}{5} \div 2\frac{1}{7}$	20 Expand and simplify (2x - 4)(x - 6) 2x ² - 12x - 1x + 24 2x - 1 - 2x - 1x + 24 7xy(2x - 3) 14x ² 4 - 21xy	21 A number "x", is rounded to 8.4 correct to one decimal place. What is the error interval of x? \$.35 \$ x \$ 3:45	Solve the simultane •. 4x + y = 2. x - 3y = 3. 4x - 12 1. 4x - 4y	25 16 × 4 (43c - 3 = 2)
+2 + 3 + 4 = 10 10 isnot duruble by 4 Give an example to show that the sum of four onsecutive integers is not always divisible by 4	25 x and y are whole numbers. x > 50 \$1 y < 40 39 Work out the smallest possible value of x - y \$1 - 39 = 12	£225 = 12.5% 26 The cost of a weekly train ticket increases by 12.5% to £225 How much did weekly train ticket cost before this increase? £1800	There are 17 men and 22 women in a choir. One of the men and one of the women are going to be chosen sing the first song together. How many different pairs could be chosen?	3n+5=21 $3n=26$ $n=26=86$ Explain why 21 is not a term in the sequence 3n+5 $n c not a whole$ Mumber.	180 - 36 = 142 29 angles on a mangle = 180 $142 \div 2 = 71^{\circ}$ (2 angles of Giving reasons, so scale calculate "x" equal	20
M	BOg 105g 285g		•••	numbe.	عين في المحمد المحم معالم المحمد ا	15 - 270 725 - 75 7 - 35 725 - 75 www.justmaths.