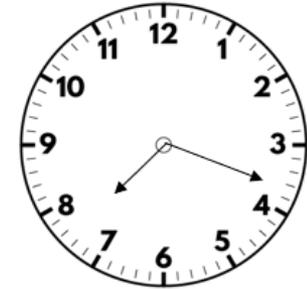
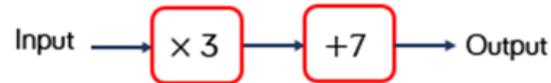


Warm-Up Challenge

Week 7 – Home Learning

Flashback 4

- 1) What is the output if the input is 12?



- 2) Work out 40% of 60
- 3) What is the 4 worth is 6.145?
- 4) Write down two factors of 20

Teaching Input:

Week 7 – Home Learning

Complete the following calculation:

$$539 \div 11$$

Go onto the next slide to see the division process for this calculation.

Teaching Input:

Week 7 – Home Learning

$$\begin{array}{r} \overline{) 539} \\ \underline{44} \\ 99 \\ \underline{99} \\ 0 \end{array}$$

Remember to list your multiples of 11

Let's start by dividing 53 by 11 as this is the first two digits of the number.

Complete the following calculation:

$$728 \div 13$$

Go onto the next slide to see the division process for this calculation.

Teaching Input:

Week 7 – Home Learning

$$\begin{array}{r} \overline{) 728} \\ \underline{65} \\ 78 \\ \underline{78} \\ 0 \end{array}$$

Remember to list your multiples of 13

Let's start with the numbers 13, 26, 39, 52, 65, 78, 91, 104, 117, 130, 143, 156, 169, 182, 195, 208, 221, 234, 247, 260, 273, 286, 299, 312, 325, 338, 351, 364, 377, 390, 403, 416, 429, 442, 455, 468, 481, 494, 507, 520, 533, 546, 559, 572, 585, 598, 611, 624, 637, 650, 663, 676, 689, 702, 715, 728, 741, 754, 767, 780, 793, 806, 819, 832, 845, 858, 871, 884, 897, 910, 923, 936, 949, 962, 975, 988, 1001, 1014, 1027, 1040, 1053, 1066, 1079, 1092, 1105, 1118, 1131, 1144, 1157, 1170, 1183, 1196, 1209, 1222, 1235, 1248, 1261, 1274, 1287, 1300, 1313, 1326, 1339, 1352, 1365, 1378, 1391, 1404, 1417, 1430, 1443, 1456, 1469, 1482, 1495, 1508, 1521, 1534, 1547, 1560, 1573, 1586, 1599, 1612, 1625, 1638, 1651, 1664, 1677, 1690, 1703, 1716, 1729, 1742, 1755, 1768, 1781, 1794, 1807, 1820, 1833, 1846, 1859, 1872, 1885, 1898, 1911, 1924, 1937, 1950, 1963, 1976, 1989, 2002, 2015, 2028, 2041, 2054, 2067, 2080, 2093, 2106, 2119, 2132, 2145, 2158, 2171, 2184, 2197, 2210, 2223, 2236, 2249, 2262, 2275, 2288, 2301, 2314, 2327, 2340, 2353, 2366, 2379, 2392, 2405, 2418, 2431, 2444, 2457, 2470, 2483, 2496, 2509, 2522, 2535, 2548, 2561, 2574, 2587, 2600, 2613, 2626, 2639, 2652, 2665, 2678, 2691, 2704, 2717, 2730, 2743, 2756, 2769, 2782, 2795, 2808, 2821, 2834, 2847, 2860, 2873, 2886, 2899, 2912, 2925, 2938, 2951, 2964, 2977, 2990, 3003, 3016, 3029, 3042, 3055, 3068, 3081, 3094, 3107, 3120, 3133, 3146, 3159, 3172, 3185, 3198, 3211, 3224, 3237, 3250, 3263, 3276, 3289, 3302, 3315, 3328, 3341, 3354, 3367, 3380, 3393, 3406, 3419, 3432, 3445, 3458, 3471, 3484, 3497, 3510, 3523, 3536, 3549, 3562, 3575, 3588, 3601, 3614, 3627, 3640, 3653, 3666, 3679, 3692, 3705, 3718, 3731, 3744, 3757, 3770, 3783, 3796, 3809, 3822, 3835, 3848, 3861, 3874, 3887, 3900, 3913, 3926, 3939, 3952, 3965, 3978, 3991, 4004, 4017, 4030, 4043, 4056, 4069, 4082, 4095, 4108, 4121, 4134, 4147, 4160, 4173, 4186, 4199, 4212, 4225, 4238, 4251, 4264, 4277, 4290, 4303, 4316, 4329, 4342, 4355, 4368, 4381, 4394, 4407, 4420, 4433, 4446, 4459, 4472, 4485, 4498, 4511, 4524, 4537, 4550, 4563, 4576, 4589, 4602, 4615, 4628, 4641, 4654, 4667, 4680, 4693, 4706, 4719, 4732, 4745, 4758, 4771, 4784, 4797, 4810, 4823, 4836, 4849, 4862, 4875, 4888, 4901, 4914, 4927, 4940, 4953, 4966, 4979, 4992, 5005, 5018, 5031, 5044, 5057, 5070, 5083, 5096, 5109, 5122, 5135, 5148, 5161, 5174, 5187, 5200, 5213, 5226, 5239, 5252, 5265, 5278, 5291, 5304, 5317, 5330, 5343, 5356, 5369, 5382, 5395, 5408, 5421, 5434, 5447, 5460, 5473, 5486, 5499, 5512, 5525, 5538, 5551, 5564, 5577, 5590, 5603, 5616, 5629, 5642, 5655, 5668, 5681, 5694, 5707, 5720, 5733, 5746, 5759, 5772, 5785, 5798, 5811, 5824, 5837, 5850, 5863, 5876, 5889, 5902, 5915, 5928, 5941, 5954, 5967, 5980, 5993, 6006, 6019, 6032, 6045, 6058, 6071, 6084, 6097, 6110, 6123, 6136, 6149, 6162, 6175, 6188, 6201, 6214, 6227, 6240, 6253, 6266, 6279, 6292, 6305, 6318, 6331, 6344, 6357, 6370, 6383, 6396, 6409, 6422, 6435, 6448, 6461, 6474, 6487, 6500, 6513, 6526, 6539, 6552, 6565, 6578, 6591, 6604, 6617, 6630, 6643, 6656, 6669, 6682, 6695, 6708, 6721, 6734, 6747, 6760, 6773, 6786, 6799, 6812, 6825, 6838, 6851, 6864, 6877, 6890, 6903, 6916, 6929, 6942, 6955, 6968, 6981, 6994, 7007, 7020, 7033, 7046, 7059, 7072, 7085, 7098, 7111, 7124, 7137, 7150, 7163, 7176, 7189, 7202, 7215, 7228, 7241, 7254, 7267, 7280, 7293, 7306, 7319, 7332, 7345, 7358, 7371, 7384, 7397, 7410, 7423, 7436, 7449, 7462, 7475, 7488, 7501, 7514, 7527, 7540, 7553, 7566, 7579, 7592, 7605, 7618, 7631, 7644, 7657, 7670, 7683, 7696, 7709, 7722, 7735, 7748, 7761, 7774, 7787, 7800, 7813, 7826, 7839, 7852, 7865, 7878, 7891, 7904, 7917, 7930, 7943, 7956, 7969, 7982, 7995, 8008, 8021, 8034, 8047, 8060, 8073, 8086, 8099, 8112, 8125, 8138, 8151, 8164, 8177, 8190, 8203, 8216, 8229, 8242, 8255, 8268, 8281, 8294, 8307, 8320, 8333, 8346, 8359, 8372, 8385, 8398, 8411, 8424, 8437, 8450, 8463, 8476, 8489, 8502, 8515, 8528, 8541, 8554, 8567, 8580, 8593, 8606, 8619, 8632, 8645, 8658, 8671, 8684, 8697, 8710, 8723, 8736, 8749, 8762, 8775, 8788, 8801, 8814, 8827, 8840, 8853, 8866, 8879, 8892, 8905, 8918, 8931, 8944, 8957, 8970, 8983, 8996, 9009, 9022, 9035, 9048, 9061, 9074, 9087, 9100, 9113, 9126, 9139, 9152, 9165, 9178, 9191, 9204, 9217, 9230, 9243, 9256, 9269, 9282, 9295, 9308, 9321, 9334, 9347, 9360, 9373, 9386, 9399, 9412, 9425, 9438, 9451, 9464, 9477, 9490, 9503, 9516, 9529, 9542, 9555, 9568, 9581, 9594, 9607, 9620, 9633, 9646, 9659, 9672, 9685, 9698, 9711, 9724, 9737, 9750, 9763, 9776, 9789, 9802, 9815, 9828, 9841, 9854, 9867, 9880, 9893, 9906, 9919, 9932, 9945, 9958, 9971, 9984, 9997, 10010, 10023, 10036, 10049, 10062, 10075, 10088, 10101, 10114, 10127, 10140, 10153, 10166, 10179, 10192, 10205, 10218, 10231, 10244, 10257, 10270, 10283, 10296, 10309, 10322, 10335, 10348, 10361, 10374, 10387, 10400, 10413, 10426, 10439, 10452, 10465, 10478, 10491, 10504, 10517, 10530, 10543, 10556, 10569, 10582, 10595, 10608, 10621, 10634, 10647, 10660, 10673, 10686, 10699, 10712, 10725, 10738, 10751, 10764, 10777, 10790, 10803, 10816, 10829, 10842, 10855, 10868, 10881, 10894, 10907, 10920, 10933, 10946, 10959, 10972, 10985, 10998, 11011, 11024, 11037, 11050, 11063, 11076, 11089, 11102, 11115, 11128, 11141, 11154, 11167, 11180, 11193, 11206, 11219, 11232, 11245, 11258, 11271, 11284, 11297, 11310, 11323, 11336, 11349, 11362, 11375, 11388, 11401, 11414, 11427, 11440, 11453, 11466, 11479, 11492, 11505, 11518, 11531, 11544, 11557, 11570, 11583, 11596, 11609, 11622, 11635, 11648, 11661, 11674, 11687, 11700, 11713, 11726, 11739, 11752, 11765, 11778, 11791, 11804, 11817, 11830, 11843, 11856, 11869, 11882, 11895, 11908, 11921, 11934, 11947, 11960, 11973, 11986, 12000, 12013, 12026, 12039, 12052, 12065, 12078, 12091, 12104, 12117, 12130, 12143, 12156, 12169, 12182, 12195, 12208, 12221, 12234, 12247, 12260, 12273, 12286, 12299, 12312, 12325, 12338, 12351, 12364, 12377, 12390, 12403, 12416, 12429, 12442, 12455, 12468, 12481, 12494, 12507, 12520, 12533, 12546, 12559, 12572, 12585, 12598, 12611, 12624, 12637, 12650, 12663, 12676, 12689, 12702, 12715, 12728, 12741, 12754, 12767, 12780, 12793, 12806, 12819, 12832, 12845, 12858, 12871, 12884, 12897, 12910, 12923, 12936, 12949, 12962, 12975, 12988, 13001, 13014, 13027, 13040, 13053, 13066, 13079, 13092, 13105, 13118, 13131, 13144, 13157, 13170, 13183, 13196, 13209, 13222, 13235, 13248, 13261, 13274, 13287, 13300, 13313, 13326, 13339, 13352, 13365, 13378, 13391, 13404, 13417, 13430, 13443, 13456, 13469, 13482, 13495, 13508, 13521, 13534, 13547, 13560, 13573, 13586, 13599, 13612, 13625, 13638, 13651, 13664, 13677, 13690, 13703, 13716, 13729, 13742, 13755, 13768, 13781, 13794, 13807, 13820, 13833, 13846, 13859, 13872, 13885, 13898, 13911, 13924, 13937, 13950, 13963, 13976, 13989, 14002, 14015, 14028, 14041, 14054, 14067, 14080, 14093, 14106, 14119, 14132, 14145, 14158, 14171, 14184, 14197, 14210, 14223, 14236, 14249, 14262, 14275, 14288, 14301, 14314, 14327, 14340, 14353, 14366, 14379, 14392, 14405, 14418, 14431, 14444, 14457, 14470, 14483, 14496, 14509, 14522, 14535, 14548, 14561, 14574, 14587, 14600, 14613, 14626, 14639, 14652, 14665, 14678, 14691, 14704, 14717, 14730, 14743, 14756, 14769, 14782, 14795, 14808, 14821, 14834, 14847, 14860, 14873, 14886, 14899, 14912, 14925, 14938, 14951, 14964, 14977, 14990, 15003, 15016, 15029, 15042, 15055, 15068, 15081, 15094, 15107, 15120, 15133, 15146, 15159, 15172, 15185, 15198, 15211, 15224, 15237, 15250, 15263, 15276, 15289, 15302, 15315, 15328, 15341, 15354, 15367, 15380, 15393, 15406, 15419, 15432, 15445, 15458, 15471, 15484, 15497, 15510, 15523, 15536, 15549, 15562, 15575, 15588, 15601, 15614, 15627, 15640, 15653, 15666, 15679, 15692, 15705, 15718, 15731, 15744, 15757, 15770, 15783, 15796, 15809, 15822, 15835, 15848, 15861, 15874, 15887, 15900, 15913, 15926, 15939, 15952, 15965, 15978, 15991, 16004, 16017, 16030, 16043, 16056, 16069, 16082, 16095, 16108, 16121, 16134, 16147, 16160, 16173, 16186, 16199, 16212, 16225, 16238, 16251, 16264, 16277, 16290, 16303, 16316, 16329, 16342, 16355, 16368, 16381, 16394, 16407, 16420, 16433, 16446, 16459, 16472, 16485, 16498, 16511, 16524, 16537, 16550, 16563, 16576, 16589, 16602, 16615, 16628, 16641, 16654, 16667, 16680, 16693, 16706, 16719, 16732, 16745, 16758, 16771, 16784, 16797, 16810, 16823, 16836, 16849, 16862, 16875, 16888, 16901, 16914, 16927, 16940, 16953, 16966, 16979, 16992, 17005, 17018, 17031, 17044, 17057, 17070, 17083, 17096, 17109, 17122, 17135, 17148, 17161, 17174, 17187, 17200, 17213, 17226, 17239, 17252, 17265, 17278, 17291, 17304, 17317, 17330, 17343, 17356, 17369, 17382, 17395, 17408, 17421, 17434, 17447, 17460, 17473, 17486, 17499, 17512, 17525, 17538, 17551, 17564, 17577, 17590, 17603, 17616, 17629, 17642, 17655, 17668, 17681, 17694, 17707, 17720, 17733, 17746, 17759, 17772, 17785, 17798, 17811, 17824, 17837, 17850, 17863, 17876, 17889, 17902, 17915, 17928, 17941, 17954, 17967, 17980, 17993, 18006, 18019, 18032, 18045, 18058, 18071, 18084, 18097, 18110, 18123, 18136, 18149, 18162, 18175, 18188, 18201, 18214, 18227, 18240, 18253, 18266, 18279, 18292, 18305, 18318, 18331, 18344, 18357, 18370, 18383, 18396, 18409, 18422, 18435, 18448, 18461, 18474, 18487, 18500, 18513, 18526, 18539, 18552, 18565, 18578, 18591, 18604, 18617, 18630, 18643, 18656, 18669, 18682, 18695, 18708, 18721, 18734, 18747, 18760, 18773, 18786, 18799, 18812, 18825, 18838, 18851, 18864, 18877, 18890, 18903, 18916, 18929, 18942, 18955, 18968, 18981, 18994, 19007, 19020, 19033, 19046, 19059, 19072, 19085, 19098, 19111, 19124, 19137, 19150, 19163, 19176, 19189, 19202, 19215, 19228, 19241, 19254, 19267, 19280, 19293, 19306, 19319, 19332, 19345, 19358, 19371, 19384, 19397, 19410, 19423, 19436, 19449, 19462, 19475, 19488, 19501, 19514, 19527, 19540, 19553, 19566, 19579, 19592, 19605, 19618, 19631, 19644, 19657, 19670, 19683, 19696, 19709, 19722, 19735, 19748, 19761, 19774, 19787, 19800, 19813, 19826, 19839, 19852, 19865, 19878, 19891, 19904, 19917, 19930, 19943, 19956, 19969, 19982, 19995, 20008, 20021, 20034, 20047, 20060, 20073, 20086, 20099, 20112, 20125, 20138, 20151, 20164, 20177, 20190, 20203, 20216, 20229, 20242, 20255, 20268, 20281, 20294, 20307, 20320, 20333, 20346, 20359, 20372, 20385, 20398, 20411, 20424, 20437, 20450, 20463, 20476, 20489, 20502, 20515, 20528, 20541, 20554, 20567, 20580, 20593, 20606, 20619, 20632, 20645, 20658, 20671, 20684, 20697, 20710, 20723, 20736, 20749, 20762, 20775, 20788, 20801, 20814, 20827, 20840, 20853, 20866, 20879, 20892, 20905, 20918, 20931, 20944, 20957, 20970, 20983, 20996, 21009, 21022, 21035, 21048, 21061, 21074, 21087, 21100, 21113, 21126, 21139, 21152, 21165, 21178, 21191, 21204, 21217, 21230, 21243, 21256, 21269, 21282, 21295, 21308, 21321, 21334, 21347, 21360, 21373, 21386, 21399, 21412, 21425, 21438, 21451, 21464, 21477, 21490, 21503, 21516, 21529, 21542, 21555, 21568, 21581, 21594, 21607, 21620, 21633, 21646, 21659, 21672, 21685, 21698, 21711, 21724, 21737, 21750, 21763, 21776, 21789, 21802, 21815, 21828, 21841, 21854, 21867, 21880, 21893, 21906, 21919, 21932, 21945, 21958, 21971, 21984, 21997, 22010, 22023, 22036, 22049, 22062, 22075, 22088, 22101, 22114, 22127, 22140, 22153, 22166, 22179, 22192, 22205, 22218, 22231, 22244, 22257, 22270, 22283, 22296, 22309, 22322, 22335, 22348, 22361, 22374, 22387, 22400, 22413, 22426, 22439, 22452, 22465, 22478, 22491, 22504, 22517, 22530, 22543, 22556, 22569, 22582, 22595, 22608, 22621, 22634, 22647, 22660, 22673, 22686, 22699, 22712, 22725, 22738, 22751, 22764, 22777, 22790, 22803, 22816, 22829, 22842, 22855, 22868, 22881, 22894, 22907, 22920, 22933, 22946, 22959, 22972, 22985, 22998, 23011, 23024, 23037, 23050, 23063, 23076, 23089, 23102, 23115, 23128, 23141, 23154, 23167, 23180, 23193, 23206, 23219, 23232, 23245, 23258, 23271, 23284, 23297, 23310, 23323, 23336, 23349, 23362, 23375, 23388, 23401, 23414, 23427, 23440, 23453, 23466, 23479, 23492, 23505, 23518, 23531, 23544, 23557, 23570, 23583, 23596, 23609, 23622, 23635, 23648, 23661, 23674, 23687, 23700, 23713, 23726, 23739, 23752, 23765, 23778, 23791, 23804, 23817, 23830, 23843, 23856, 23869, 23882, 23895, 23908, 23921, 23934, 23947, 23960, 23973, 23986, 24000, 24013, 24026, 24039, 24052, 24065, 24078, 24091, 24104, 241

Complete the following calculation:

$$952 \div 28$$

Go onto the next slide to see the division process for this calculation.

Teaching Input:

Week 7 – Home Learning

$$\begin{array}{r} \overline{) 952} \\ \underline{- 84} \\ 11 \\ \underline{- 112} \\ 0 \end{array}$$

Remember to list your multiples of 28

Let's start with a list of multiples of 28. Write down the answers.

Independent Activity: Now grab a pen and paper and see how many questions you can answer

1 Use these multiples of 13 to complete the long divisions.

13	26	39	52	65	78	91	104	117
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13	2	7	3	

13	4	4	2	

13	7	9	3	

13	8	7	1	

2 a) Complete the number track with multiples of 23

23	46	69						
----	----	----	--	--	--	--	--	--

b) Calculate $943 \div 23$

c) Calculate $345 \div 23$

d) Calculate $621 \div 23$

3



		2	3
3	9	1	
3	4		
	5	1	
	5	1	
			0

What is the missing number in Teddy's division?

4 Which of these cards give the same answer?

$$2,730 \div 35$$

$$2,088 \div 24$$

$$2,418 \div 31$$

5 Amir is making flags. He sews 19 stars and 31 hearts onto each flag. He has 589 stars and 899 hearts.

How many flags can he complete?

6 a) Complete the calculation.

$$168 \times 5 = \square \times 35$$

b) Describe two different ways to find the answer to part a).

7 Here are some of the multiples of 41

$$1 \times 41 = 41$$

$$6 \times 41 = 246$$

$$2 \times 41 = 82$$

$$7 \times 41 = 287$$

$$3 \times 41 = 123$$

$$8 \times 41 = 328$$

$$4 \times 41 = 164$$

$$9 \times 41 = 369$$

$$5 \times 41 = 205$$

$$10 \times 41 = 410$$

Use these multiples of 41 to complete the calculations.

a) $861 \div 41$

b) $943 \div \square = 41$

c) $\square \div 41 = 697$

Independent Activity: *Now grab a pen and paper and see how many questions you can answer*

A bag of guinea pig food holds 2.375 kg of food.
It needs to last for 19 days.
How much food can the guinea pig have each day?



$$75 = 6,600 \div \star$$

$$9,251 \div \text{☾} = 29$$

What is the value of $\star \times \text{☾}$?

Create your own problem like this for a friend.