Bronze

1b. Kelly is incorrect because 4,664 ÷ 2 = 2,332 and 2,332 > 1,120.
2b. Johnny did not divide 800 by 2 correctly. 800 ÷ 2 = 400 so the answer should be 3,420.
3b. The counter fell from the ones column; 6,336 ÷ 3 = 2,112

1a. True

2a. 1,224

3a. 2,422

<u>Silver</u>

4a. False, 4,812 ÷ 4 = 1,203

5a. 401

6a. 477

4b. Alice is correct because 2,405 ÷ 5 =

 $481, 2,979 \div 9 = 331$ and 481 > 331.

5b. Josh forgot to exchange 3 tens. The correct answer is 1,916.

6b. The counter fell from the tens column;

8,428 ÷ 7 = 1,204

Gold

7a. False, 6,409 ÷ 9 = 701

8a. 5,607 ÷ 7 = 801

9a. 8,56<u>0</u> ÷ 8 = 1,070 < 8,5<u>8</u>6 ÷ 6 = 1,431

7b. Sinead is incorrect because 3,435 ÷ 5 =

687, $6,795 \div 3 = 2,265$ and $5,848 \div 8 = 731$.

Her statement should say 687 < 2,265 > 731.

8b. Theo did not exchange the remaining 1 thousand into 10 hundreds or exchange the remaining 1 hundred to 10 tens. The correct answer is 1,221.

9b. Various answers, for example: 1,230 ÷

6 = 205; 6,000 ÷ 6 = 1,000; 3,030 ÷ 6 = 505

Challenge

1. Explore the ways through the maze by stepping on the 4-digit numbers that can be divided equally by 7. Various answers, for example:

You can
move in
any
direction;
horizontally
vertically

or diagonally!

STAR	4,284	1,284	7,285	9,198	7,234	9,673
i; ly	7,382	6,398	7,357	4,485	8,337	8,565
	8,347	9,674	3,267	5,796	9,386	7,924
	6,461	8,879	8,575	5,395	3,892	7,383
y!	8,734	2,954	9,098	5,957	3,898	8,227
	3,891	9,677	8,834	4,384	7,824	7,394

DF

FINISH

2. Amir has won £8,472 in the lottery and wants to share it between himself and his





I am going to keep all my share.



I am going to share mine so I, and those I share it with, get a portion of the money that has a digit sum of more than 9.



I am going to share mine so I, and those I share it with, get a portion of the money that is an odd 3-digit number.

Investigate how much each person will receive. Various answers, for example: Amir = £2,824; Dad and 3 friends = £706 each; Mum and 7 friends = £353 each