Short division (bus stop method): 4-digit by 1-digit

Year 5. Use short division and carry each remainder to the next digit. Write any final remainder after r.

Name: _____ Date: _____

Example: 752 ÷ 3. 3 goes into 7 twice, remainder 1: write 2 on top and a small 1 before the 5. 3 goes into 15 five times. 3 goes into 2 zero times: write 0, remainder 2. Answer: 250 r 2.
Check: answer × divisor + remainder = the number you started with.

1. $3\overline{)7028}$

2. $3\overline{)4462}$

3. $4\overline{)6767}$

4. $9\overline{)5091}$

5. $5\overline{)7237}$

6. $5\overline{)3128}$

7. $7\overline{)7345}$

8. $8\overline{)7403}$

9. $9\overline{)9516}$

10. $4\overline{)8310}$

11. $9\overline{)4538}$

12. $8\overline{)7740}$

Answer key: short division 4-digit by 1-digit

Answers to the 12 questions on page 1, with the check calculation.

Question	Answer	Check
1. 7028 ÷ 3	**2342 r 2**	2342 × 3 + 2 = 7028
2. 4462 ÷ 3	**1487 r 1**	1487 × 3 + 1 = 4462
3. 6767 ÷ 4	**1691 r 3**	1691 × 4 + 3 = 6767
4. 5091 ÷ 9	**565 r 6**	565 × 9 + 6 = 5091
5. 7237 ÷ 5	**1447 r 2**	1447 × 5 + 2 = 7237
6. 3128 ÷ 5	**625 r 3**	625 × 5 + 3 = 3128
7. 7345 ÷ 7	**1049 r 2**	1049 × 7 + 2 = 7345
8. 7403 ÷ 8	**925 r 3**	925 × 8 + 3 = 7403
9. 9516 ÷ 9	**1057 r 3**	1057 × 9 + 3 = 9516
10. 8310 ÷ 4	**2077 r 2**	2077 × 4 + 2 = 8310
11. 4538 ÷ 9	**504 r 2**	504 × 9 + 2 = 4538
12. 7740 ÷ 8	**967 r 4**	967 × 8 + 4 = 7740