

Bus Stop Method Division: 4-Digit Numbers by 1-Digit Numbers with Remainders

LO: I can use a formal method of division

1. $1468 \div 3 =$ _____

9. $4521 \div 8 =$ _____

2. $3452 \div 5 =$ _____

10. $2804 \div 5 =$ _____

3. $7489 \div 4 =$ _____

11. $6321 \div 6 =$ _____

4. $1957 \div 6 =$ _____

12. $5407 \div 3 =$ _____

5. $3652 \div 7 =$ _____

13. $3648 \div 7 =$ _____

6. $5239 \div 4 =$ _____

14. $1357 \div 8 =$ _____

7. $5269 \div 9 =$ _____

15. $4635 \div 4 =$ _____

8. $7652 \div 3 =$ _____

16. $3165 \div 4 =$ _____

Look at the following calculations. Decide if you think there will be a remainder and explain your reasoning. Then solve the calculation to check.

17. $3204 \div 5$ Will there be a remainder? Yes / No

Explain your answer.

Check your answer $3204 \div 5 =$ _____

18. $3321 \div 3$ Will there be a remainder? Yes / No

Explain your answer.

Check your answer $3321 \div 3 =$ _____

Bus Stop Method Division: 4-Digit Numbers by 1-Digit Numbers with Remainders **Answers**

LO: I can use a formal method of division

1. $1468 \div 3 = 489 \text{ R } 1$

9. $4521 \div 8 = 565 \text{ R } 1$

2. $3452 \div 5 = 690 \text{ R } 2$

10. $2804 \div 5 = 560 \text{ R } 4$

3. $7489 \div 4 = 1872 \text{ R } 1$

11. $6321 \div 6 = 1053 \text{ R } 3$

4. $1957 \div 6 = 326 \text{ R } 1$

12. $5407 \div 3 = 1802 \text{ R } 1$

5. $3652 \div 7 = 521 \text{ R } 5$

13. $3648 \div 7 = 521 \text{ R } 1$

6. $5239 \div 4 = 1309 \text{ R } 3$

14. $1357 \div 8 = 169 \text{ R } 5$

7. $5269 \div 9 = 585 \text{ R } 4$

15. $4635 \div 4 = 1158 \text{ R } 3$

8. $7652 \div 3 = 2550 \text{ R } 2$

16. $3165 \div 4 = 791 \text{ R } 1$

Look at the following calculations. Decide if you think there will be a remainder and explain your reasoning. Then solve the calculation to check.

17. $3204 \div 5$

Will there be a remainder? **Yes** / No

Explain your answer.

I think there will be a remainder because the last digit of the number being divided is 4 which is not a multiple of 5 therefore there will be a remainder. If the number ended in 0 or 5 there would not be a remainder.

Check your answer

$3204 \div 5 = 640 \text{ R } 4$

18. $3321 \div 3$

Will there be a remainder? Yes / **No**

Explain your answer.

I don't think there will be a remainder because the sum of all the digits is 9 which is a multiple of 3, e.g. $3+3+2+1 = 9$

Check your answer

$3321 \div 3 = 1107$