

# 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.

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Check your answer  $3204 \div 5 =$  \_\_\_\_\_

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

Explain your answer.

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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.  $1468 \div 3 = 489.33$

9.  $4521 \div 8 = 565.12$

2.  $3452 \div 5 = 690.4$

10.  $2804 \div 5 = 560.8$

3.  $7489 \div 4 = 1872.25$

11.  $6321 \div 6 = 1053.5$

4.  $1957 \div 6 = 326.16$

12.  $5407 \div 3 = 1802.33$

5.  $3652 \div 7 = 521.71$

13.  $3648 \div 7 = 521.14$

6.  $5239 \div 4 = 1309.75$

14.  $1357 \div 8 = 169.62$

7.  $5269 \div 9 = 585.44$

15.  $4635 \div 4 = 1158.75$

8.  $7652 \div 3 = 2550.66$

16.  $3165 \div 4 = 791.25$

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

$3204 \div 5 = 640.8$

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

$3321 \div 3 = 1107$