# Delicious Division

I can use short division to divide four-digit numbers by one-digit numbers.

1) The chef wants to make a delicious meal for his guests, but he has run out of some important ingredients.

Solve the division problems to find the missing numbers and save the day!

a) $3 \overline{)\,9\;6\;9}$

b) $4 \overline{)\,8\;1\;2}$

c) $8 \overline{)\,1\;6\;8}$

d) $6 \overline{)\,2\;7\;0}$

e) $4 \overline{)\,8\;9\;2\;4}$

f) $7 \overline{)\,4\;4\;8\;7}$

*Chef's Shopping List*

a) _____ kg flour

b) _____ ml milk

c) _____ kg sugar

d) _____ ml cream

e) _____ g butter

f) _____ l vegetable stock

2) How much chocolate sauce is left over if...

a) 268ml is shared between 4 guests?

_____

b) 546ml is shared between 9 guests?

_____

c) 657ml is shared between 8 guests?

_____

d) 892ml is shared between 7 guests?

_____



# Delicious Division **Answers**

| Question | Answer |
|---|---|
| **1.** | The chef wants to make a delicious meal for his guests, but he has run out of some important ingredients. Solve the division problems to find the missing numbers and save the day! |
| | a) $3\ 9\ 6\ 9$ → **3 2 3**<br>b) $4\ 8\ 1\ {}^{1}2$ → **2 0 3**<br>c) $8\ 1\ {}^{1}6\ 8$ → **0 2 1**<br>d) $6\ 2\ {}^{2}7\ {}^{3}0$ → **0 4 5**<br>e) $4\ 8\ 9\ {}^{1}2\ 4$ → **2 2 3 1**<br>f) $7\ 4\ {}^{4}4\ {}^{2}8\ 7$ → **0 6 4 1** |
| **2.** | How much chocolate sauce is left over if... |
| a | 268ml is shared between 4 guests? ***none*** — $4\ 2\ {}^{2}6\ {}^{2}8$ → **0 6 7** |
| b | 546ml is shared between 9 guests? ***6ml*** — $9\ 5\ {}^{5}4\ 6$ → **0 6 0 r6** |
| c | 657ml is shared between 8 guests? ***1ml*** — $8\ 6\ {}^{6}5\ {}^{1}7$ → **0 8 2 r1** |
| d | 892ml is shared between 7 guests? ***3ml*** — $7\ 8\ {}^{1}9\ {}^{5}2$ → **1 2 7 r3** |

# Delicious Division

I can use short division to divide four-digit numbers by one-digit numbers.

1) The chef wants to make a delicious meal for his guests, but he has run out of some important ingredients.

Solve the division problems to find the missing numbers and save the day!

a) 1377 ÷ 3

b) 2484 ÷ 4

c) 7544 ÷ 8

d) 3678 ÷ 6

e) 1276 ÷ 4

f) 6601 ÷ 7

*Chef's Shopping List*

a) _____ kg flour

b) _____ ml milk

c) _____ kg sugar

d) _____ ml cream

e) _____ g butter

f) _____ l vegetable stock

2) How much chocolate sauce is left over if...

a) 3427ml is shared between 4 guests?

_____

b) 7820ml is shared between 9 guests?

_____

c) 9592ml is shared between 6 guests?

_____

d) 8632ml is shared between 7 guests?

_____



# Delicious Division **Answers**

| Question | Answer |
|---|---|
| **1.** | The chef wants to make a delicious meal for his guests, but he has run out of some important ingredients. Solve the division problems to find the missing numbers and save the day! |
| | a) $3 \overline{)1\,3\,7\,7}$ → $0\,4\,5\,9$ b) $4 \overline{)2\,4\,8\,4}$ → $0\,6\,2\,1$<br>c) $8 \overline{)7\,5\,4\,4}$ → $0\,9\,4\,3$ d) $6 \overline{)3\,6\,7\,8}$ → $0\,6\,1\,3$<br>e) $4 \overline{)1\,2\,7\,6}$ → $0\,3\,1\,9$ f) $7 \overline{)6\,6\,0\,1}$ → $0\,9\,4\,3$ |
| **2.** | How much chocolate sauce is left over if... |
| a | 3427ml is shared between 4 guests? ***3ml*** $4 \overline{)3\,4\,2\,7}$ → $0\,8\,5\,6$ r3 |
| b | 7820ml is shared between 9 guests? ***8ml*** $9 \overline{)7\,8\,2\,0}$ → $0\,8\,6\,8$ r8 |
| c | 9592ml is shared between 6 guests? ***4ml*** $6 \overline{)9\,5\,9\,2}$ → $1\,5\,9\,8$ r4 |
| d | 8632ml is shared between 7 guests? ***1ml*** $7 \overline{)8\,6\,3\,2}$ → $1\,2\,3\,1$ r1 |

# Delicious Division

I can use short division to divide four-digit numbers by one-digit numbers.

The chef wants to make a delicious meal for his guests, but he's not sure how to do his calculations. Can you help him?

Solve the division problems to find the missing numbers and save the day!




1) How much chocolate sauce is left over if...

a) 9256ml is shared between 4 guests?

_____

b) 3792ml is shared between 9 guests?

_____

c) 8749ml is shared between 8 guests?

_____

d) 6832ml is shared between 7 guests?

_____

e) 1082ml is shared between 7 guests?

_____

2) How many delicious roast potatoes can each table have if the chef shares them out equally? Will there be any left over for his dinner?

a) 1092 roasties shared between 8 tables

How many per table? _____ How many are left over? _____

b) 6736 roasties shared between 4 tables

How many per table? _____ How many are left over? _____

c) 5242 roasties shared between 7 tables

How many per table? _____ How many are left over? _____

d) 8234 roasties shared between 9 tables

How many per table? _____ How many are left over? _____

e) 8432 roasties shared between 6 tables

How many per table? _____ How many are left over? _____

3) The chef has done some of his own calculations, but he isn't sure if he's got the answers right. Can you check them for him?

a) 4628 ÷ 5 = 927

b) 7429 ÷ 5 = 1070r2

c) 4403 ÷ 7 = 629

d) 5978 ÷ 8 = 747r2

e) 8319 ÷ 4 = 2079



# Delicious Division **Answers**

| Question | Answer |
|---|---|
| **1.** How much chocolate sauce is left over if... | |
| a | 9256ml is shared between 4 guests?<br>**0ml (9256 ÷ 4 = 2314)** |
| b | 3792ml is shared between 9 guests?<br>**3ml (3792 ÷ 9 = 421r3)** |
| c | 8749ml is shared between 8 guests?<br>**5ml (8749 ÷ 8 = 1093r5)** |
| d | 6832ml is shared between 7 guests?<br>**0ml (6832 ÷ 7 = 976)** |
| e | 1082ml is shared between 7 guests?<br>**4ml (1082 ÷ 7 = 154r4)** |
| **2.** How many delicious roast potatoes can each table have if the chef shares them out equally? Will there be any left over for his dinner? | |
| a | 1092 roasties shared between 8 tables **1092 ÷ 8 = 136r4**<br>How many per table? **136**<br>How many are left over? **4** |
| b | 6736 roasties shared between 4 tables **6736 ÷ 4 = 1684**<br>How many per table? **1684**<br>How many are left over? **0** |
| c | 5242 roasties shared between 7 tables **5242 ÷ 7 = 748r6**<br>How many per table? **748**<br>How many are left over? **6** |
| d | 8234 roasties shared between 9 tables **8234 ÷ 9 = 914r8**<br>How many per table? **914**<br>How many are left over? **8** |
| e | 8432 roasties shared between 6 tables **8432 ÷ 6 = 1405r2**<br>How many per table? **1405**<br>How many are left over? **2** |

| **3.** The chef has done some of his own calculations, but he isn't sure if he's got the answers right. Can you check them for him? | |
|---|---|
| a | 4628 ÷ 5 = 927<br>**Wrong - the answer is 925r3.** |
| b | 7429 ÷ 5 = 1070r2<br>**Wrong - the answer is 1485r4.** |
| c | 4403 ÷ 7 = 629<br>**Correct!** |
| d | 5978 ÷ 8 = 747r2<br>**Correct!** |
| e | 8319 ÷ 4 = 2079<br>**Wrong - the answer is 2079r3.** |