

2 - 1

Division Algorithm-1

Division Algorithm (1)

Example Calculate $48 \div 9$.

divisor

| Tens | Ones |
|------|------|
| 9 | 48 |

Think of how many 9's is there in a 48.
(Divide 48 by 9)

dividend

| Tens | Ones |
|------|------|
| 9 | 48 |
| | 5 |

Write the quotient, 5, in the ones place.



This “-” is not necessarily written in the algorithm.

Write

| Tens | Ones |
|------|------|
| 9 | 48 |
| - | 45 |
| | 5 |

Multiply 9 by 5.

Write the answer, 45, in the aligned place below 48.

Multiply

| Tens | Ones |
|------|------|
| 9 | 48 |
| - | 45 |
| | 3 |

quotient

Subtract 45 from 48.

The remainder is 3.

$48 \div 9 = 5 \text{ R } 3$

Subtract

Calculate the following division problems by using the algorithm.

1 $37 \div 5$

= R

| Tens | Ones |
|------|------|
|------|------|

| | |
|---|----|
| 5 | 37 |
| - | |

2 $13 \div 2$

= R

| Tens | Ones |
|------|------|
|------|------|

| | |
|---|----|
| 2 | 13 |
| - | |

3 $48 \div 9$

= R

| Tens | Ones |
|------|------|
|------|------|

| | |
|---|----|
| 9 | 48 |
| - | |

4 $65 \div 8$

= R

| Tens | Ones |
|------|------|
|------|------|

| | |
|---|----|
| 8 | 65 |
| - | |

5 $25 \div 7$

6 $38 \div 6$

7 $19 \div 4$

8 $22 \div 3$

9 $30 \div 9$

10 $49 \div 5$

11 $73 \div 8$

12 $41 \div 7$

| | | | | | | | |
|---|--|----|--|----|--|----|--|
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

2 - 2

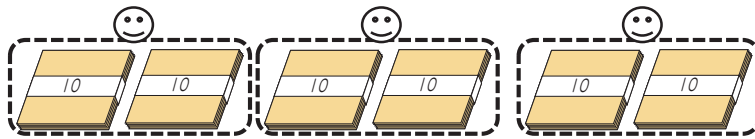
Division Algorithm-1

Dividing Multiples of 10 and 100

Example 1 Calculate $60 \div 3$.

$$\begin{array}{r} 6 \div 3 = 2 \\ \downarrow 10 \text{ times} \\ 60 \div 3 = \boxed{20} \end{array}$$

If 6 sheets of paper are divided equally among 3 children, each child will get 2 sheets of paper ($6 \div 3 = 2$).



Now 60 sheets will be divided equally among 3 children. We can think that 6 bundles of 10 sheets will be divided equally among 3 children.

1 Calculate the following division problems.

1 $40 \div 2 = \square$

2 $90 \div 3 = \square$

3 $60 \div 2 = \square$

4 $70 \div 7 = \square$

5 $240 \div 4 = \square$

6 $450 \div 5 = \square$

7 $560 \div 7 = \square$

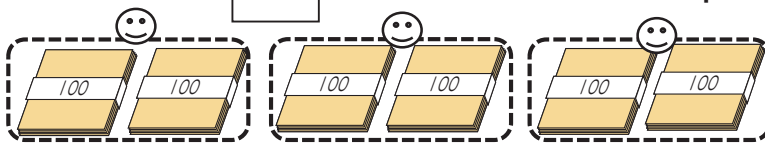
8 $300 \div 6 = \square$

9 $560 \div 8 = \square$

Example 2 Calculate $600 \div 3$.

$$\begin{array}{r} 6 \div 3 = 2 \\ \downarrow 100 \text{ times} \\ 600 \div 3 = \boxed{200} \end{array}$$

600 sheets will be divided equally among 3 children. We can think of this as 6 bundles of 100 sheets will be divided equally among 3 children.



2 Calculate the following division problems.

1 $400 \div 2 = \square$

2 $800 \div 4 = \square$

3 $900 \div 3 = \square$

4 $500 \div 5 = \square$

5 $2700 \div 3 = \square$

6 $1600 \div 4 = \square$

7 $2100 \div 7 = \square$

8 $3000 \div 5 = \square$

9 $1000 \div 2 = \square$

2 - 3

Division Algorithm-1

Division Algorithm (2)

Example Calculate $69 \div 3$.

Calculation of the tens place

| Tens | Ones |
|------|------|
| 2 | |

$$\begin{array}{r} 3 \overline{) 69} \\ \underline{6} \\ 0 \end{array}$$

Divide 6 in the tens place by 3 ($6 \div 3 = 2$).

Write the quotient, 2, in the tens place.

| Tens | Ones |
|------|------|
| 2 | |

$$\begin{array}{r} 3 \overline{) 69} \\ \underline{6} \\ 0 \end{array}$$

Multiply 3 by 2 ($3 \times 2 = 6$).
(This is actually 3×20 .)

Write the answer, 6, in the aligned place below 6.

| Tens | Ones |
|------|------|
| 2 | |

$$\begin{array}{r} 3 \overline{) 69} \\ \underline{6} \\ 0 \end{array}$$

Subtract 6 from 6.

Write the answer, 0 in the aligned place below 6.



Although "0" is written to understand this calculation easily, this "0" is not necessarily written.

Write

Multiply

Subtract

Calculation of the ones place

| Tens | Ones |
|------|------|
| 2 | |

$$\begin{array}{r} 3 \overline{) 69} \\ \underline{6} \\ 0 \end{array}$$

Bring down the 9 from the ones place.

Divide 9 by 3 ($9 \div 3 = 3$).

| Tens | Ones |
|------|------|
| 2 | 3 |

$$\begin{array}{r} 3 \overline{) 69} \\ \underline{6} \\ 0 \end{array}$$

Write the answer, 3, in the ones place.

Multiply 3 by 3 ($3 \times 3 = 9$).

Write the answer, 9, in the aligned place below 9.

| Tens | Ones |
|------|------|
| 2 | 3 |

$$\begin{array}{r} 3 \overline{) 69} \\ \underline{6} \\ 0 \end{array}$$

Subtract 9 from 9.

Write the answer, 0.

$$69 \div 3 = 23$$

Bring down

Write

Multiply

Subtract

Calculate the following division problems by using the algorithm.

1 $48 \div 2$

| Tens | Ones |
|------|------|
| 2 | |

$$\begin{array}{r} 2 \overline{) 48} \\ \underline{} \\ \end{array}$$

2 $93 \div 3$

| Tens | Ones |
|------|------|
| 3 | |

$$\begin{array}{r} 3 \overline{) 93} \\ \underline{} \\ \end{array}$$

3 $84 \div 4$

| Tens | Ones |
|------|------|
| 4 | |

$$\begin{array}{r} 4 \overline{) 84} \\ \underline{} \\ \end{array}$$

4 $55 \div 5$

| Tens | Ones |
|------|------|
| 5 | |

$$\begin{array}{r} 5 \overline{) 55} \\ \underline{} \\ \end{array}$$

5 $63 \div 3$

6 $86 \div 2$

7 $39 \div 3$

8 $48 \div 4$

9 $62 \div 2$

10 $96 \div 3$

11 $44 \div 4$

12 $28 \div 2$

| | | | | | | | |
|---|--|----|--|----|--|----|--|
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

2 - 4

Division Algorithm-1

Division Algorithm (3)

Example Calculate $72 \div 3$.

Calculation of the tens place

| | |
|------|------|
| Tens | Ones |
| 2 | |

$$3 \overline{) 72}$$

Divide 7 in the tens place by 3 ($7 \div 3 = 2$ R 1) (This is actually $70 \div 3$).

Write the quotient, 2, in the tens place.

| | |
|------|------|
| Tens | Ones |
| 2 | |

$$3 \overline{) 72}$$

$$\underline{6}$$

Multiply 3 by 2 ($3 \times 2 = 6$) (This is actually 3×20).

Write the answer in the tens place.

| | |
|------|------|
| Tens | Ones |
| 2 | |

$$3 \overline{) 72}$$

$$\underline{- 6}$$

$$1$$

Subtract 6 from 7. (This is actually $70 - 60$.)

Write the answer in the tens place.

| | |
|------|------|
| Tens | Ones |
| 2 | |

$$3 \overline{) 72}$$

$$\underline{- 6}$$

$$12$$

Bring down the 2 from the ones place.

Write

Multiply

Subtract

Bring down

Calculation of the ones place

| | |
|------|------|
| Tens | Ones |
| 2 | 4 |

$$3 \overline{) 72}$$

$$\underline{- 6}$$

$$12$$

Divide 12 by 3 ($12 \div 3 = 4$).

Write the quotient, 4, in the ones place.

Multiply 3 by 4 ($3 \times 4 = 12$).

Write

Multiply

| | |
|------|------|
| Tens | Ones |
| 2 | 4 |

$$3 \overline{) 72}$$

$$\underline{- 6}$$

$$12$$

$$\underline{- 12}$$

Number of objects in each group 72 is divided into 60 and 12. Then 60 is divided by 3 and 12 is divided by 3.

Subtract 12 from 12.

Subtract

| | |
|------|------|
| Tens | Ones |
| 2 | 4 |

$$3 \overline{) 72}$$

$$\underline{- 6}$$

$$\underline{- 12}$$

$$0$$

$72 \div 3 = 24$

Calculate the following division problems by using the algorithm.

1 $68 \div 4$

2 $87 \div 3$

3 $76 \div 2$

4 $96 \div 8$

5 $54 \div 3$

6 $75 \div 5$

7 $96 \div 6$

8 $98 \div 2$

9 $76 \div 4$

10 $84 \div 6$

| | |
|------|------|
| Tens | Ones |
| 6 | 8 |

$$4 \overline{) 68}$$

$$\underline{-}$$

$$\underline{-}$$

| | |
|------|------|
| Tens | Ones |
| 8 | 7 |

$$3 \overline{) 87}$$

$$\underline{-}$$

$$\underline{-}$$

| | | | |
|---|---|---|----|
| 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 |

2 - 5

Division Algorithm-1

Division Algorithm (4)

Example Calculate $76 \div 3$.

Calculation of the tens place

| Tens | Ones |
|------|------|
| 2 | |

$$3 \overline{) 76}$$

Divide 7 in the tens place by 3 ($7 \div 3 = 2$ R1).

Write the quotient, 2, in the tens place.

| Tens | Ones |
|------|------|
| 2 | |

$$3 \overline{) 76}$$

Multiply 3 by 2 ($3 \times 2 = 6$). (This is actually 3×20 .)

Write the answer in the tens place.

| Tens | Ones |
|------|------|
| 2 | |

$$3 \overline{) 76}$$

$$- 6$$

Subtract 6 from 7. (This is actually $70 - 60$.)

Write the answer in the tens place.

| Tens | Ones |
|------|------|
| 2 | |

$$3 \overline{) 76}$$

$$- 6$$

$$1$$

Bring down the 6 from the ones place.

Calculation of the ones place

| Tens | Ones |
|------|------|
| 2 | 5 |

$$3 \overline{) 76}$$

$$- 6$$

$$16$$

Divide 16 by 3 ($16 \div 3 = 5$ R1).

Write the quotient, 5, in the ones place.

| Tens | Ones |
|------|------|
| 2 | 5 |

$$3 \overline{) 76}$$

$$- 6$$

$$16$$

$$- 15$$

Multiply 3 by 5 ($3 \times 5 = 6$). Write the answer in the aligned place.

| Tens | Ones |
|------|------|
| 2 | 5 |

$$3 \overline{) 76}$$

$$- 6$$

$$16$$

$$- 15$$

$$1$$

Subtract 15 from 16. The remainder is 1.

$76 \div 3 = 25 \text{ R}1$

Calculate the following division problems by using the algorithm.

1 $79 \div 3$

= R

2 $94 \div 4$

= R

3 $62 \div 5$

5 $89 \div 7$

4 $99 \div 2$

6 $77 \div 3$

7 $55 \div 2$

8 $86 \div 6$

9 $92 \div 8$

10 $74 \div 5$

| Tens | Ones |
|------|------|
| 7 | 9 |

$$3 \overline{) 79}$$

| Tens | Ones |
|------|------|
| 9 | 4 |

$$4 \overline{) 94}$$

| | | | |
|---|---|---|----|
| 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 |

2 - 6

Division Algorithm-1

Division Algorithm (5)

Example Calculate $83 \div 4$.

| | | | | | | | | | | | | | | | | | | | | | |
|---|------|------|---|--|-------|---|-----|--|---|--|--|------|------|---|---|-------|---|-----|--|---|---|
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Calculation of the tens place</p> <div style="margin-bottom: 20px;"> <table border="0" style="border-collapse: collapse;"> <tr><td style="border-right: 1px dashed gray; padding-right: 5px;">Tens</td><td style="padding-right: 5px;">Ones</td></tr> <tr><td style="border-right: 1px dashed gray; text-align: center;">2</td><td></td></tr> <tr><td style="border-right: 1px dashed gray;">4) 8</td><td style="text-align: center;">3</td></tr> <tr><td style="border-right: 1px dashed gray;">- 8</td><td></td></tr> <tr><td style="border-right: 1px dashed gray;">0</td><td></td></tr> </table> </div> <p>Divide 8 in the tens place by 4 ($8 \div 4 = 2$).</p> <p>Write the quotient, 2, in the tens place.</p> <p>Multiply 4 by 2 ($4 \times 2 = 8$). (This is actually 4×20.)</p> <p>Subtract 8 from 8. (This is actually $80 - 80$.) It is a 0.</p> | Tens | Ones | 2 | | 4) 8 | 3 | - 8 | | 0 | | <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Calculation of the ones place</p> <div style="margin-bottom: 20px;"> <table border="0" style="border-collapse: collapse;"> <tr><td style="border-right: 1px dashed gray; padding-right: 5px;">Tens</td><td style="padding-right: 5px;">Ones</td></tr> <tr><td style="border-right: 1px dashed gray; text-align: center;">2</td><td style="text-align: center;">0</td></tr> <tr><td style="border-right: 1px dashed gray;">4) 8</td><td style="text-align: center;">3</td></tr> <tr><td style="border-right: 1px dashed gray;">- 8</td><td></td></tr> <tr><td style="border-right: 1px dashed gray;">0</td><td style="text-align: center;">3</td></tr> </table> </div> <p>Bring down the 3 from the ones place.</p> <p>Divide 3 by 4 ($3 \div 4 = 0$ R3).</p> <p>Write the quotient, 0, in the ones place.</p> <p>The remainder is 3.</p> <p>$83 \div 4 = 20$ R3</p> | Tens | Ones | 2 | 0 | 4) 8 | 3 | - 8 | | 0 | 3 |
| Tens | Ones | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 4) 8 | 3 | | | | | | | | | | | | | | | | | | | | |
| - 8 | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| Tens | Ones | | | | | | | | | | | | | | | | | | | | |
| 2 | 0 | | | | | | | | | | | | | | | | | | | | |
| 4) 8 | 3 | | | | | | | | | | | | | | | | | | | | |
| - 8 | | | | | | | | | | | | | | | | | | | | | |
| 0 | 3 | | | | | | | | | | | | | | | | | | | | |

Calculate the following division problems by using the algorithm.

- ① $92 \div 3 = \square$ R \square
② $41 \div 2 = \square$ R \square
③ $83 \div 4 = \square$ R \square

| | |
|-------|------|
| Tens | Ones |
| 3 | |
| 3) 9 | 2 |
| - | |
| | |

| | |
|-------|------|
| Tens | Ones |
| 2 | |
| 2) 4 | 1 |
| - | |
| | |

| | |
|-------|------|
| Tens | Ones |
| 4 | |
| 4) 8 | 3 |
| - | |
| | |

- ④ $62 \div 3$
⑤ $75 \div 7$
⑥ $98 \div 9$
⑦ $81 \div 2$
- ⑧ $54 \div 5$
⑨ $91 \div 3$
⑩ $82 \div 4$
⑪ $65 \div 6$

| | | | |
|---|---|---|---|
| ⑤ | ⑥ | ⑦ | ⑧ |
| ⑨ | ⑩ | ⑪ | ⑫ |

2 - 7

Division Algorithm-1

Checking the Calculation

Example Calculate $76 \div 3$ and then check the answer.

| | Tens | Ones |
|-----|------|------|
| | 2 | 5 |
| 3) | 7 | 6 |
| - | 6 | |
| | 1 | 6 |
| - | 1 | 5 |
| | | 1 |

If we calculate $76 \div 3$ using the division algorithm, the answer is 25 R1.

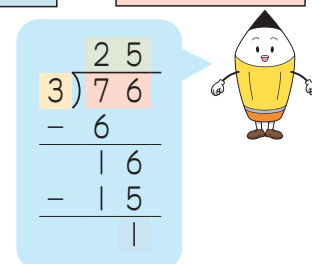
$$76 \div 3 = 25 \text{ R}1$$

$$3 \times 25 + 1 = 76$$

$$\text{Divisor} \times \text{Quotient} + \text{Remainder} = \text{Dividend}$$

$$76 \div 3 = \boxed{25} \text{ R} \boxed{1}$$

Check: $3 \times 25 + 1 = 76$



Calculate the following and then check your answers.

1 $73 \div 2$

$$= \boxed{} \text{ R} \boxed{}$$

2 $91 \div 2$

$$= \boxed{} \text{ R} \boxed{}$$

3 $90 \div 7$

$$= \boxed{} \text{ R} \boxed{}$$

4 $80 \div 3$

$$= \boxed{} \text{ R} \boxed{}$$

| | Tens | Ones |
|-----|------|------|
| 2) | 7 | 3 |
| - | | |
| | | |
| - | | |

Check

| | Tens | Ones |
|-----|------|------|
| 2) | 7 | 3 |
| - | | |
| | | |
| - | | |

Check

Check

Check

5 $85 \div 6$

$$= \boxed{} \text{ R} \boxed{}$$

Check

6 $62 \div 4$

$$= \boxed{} \text{ R} \boxed{}$$

Check

7 $76 \div 5$

$$= \boxed{} \text{ R} \boxed{}$$

Check

8 $98 \div 8$

$$= \boxed{} \text{ R} \boxed{}$$

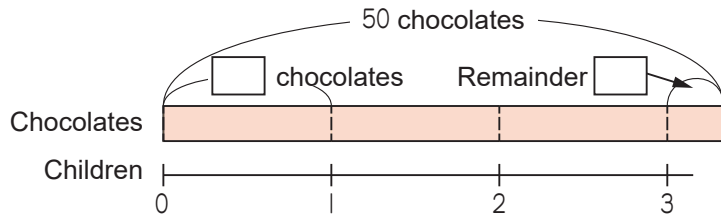
Check

2 - 8

Division Algorithm-1

Division Problems (1)

Example There are 50 chocolates. If 3 children share the chocolates equally, how many chocolates will each child get and how many will be left over?



Math sentence $50 \div 3 = 16 \text{ R } 2$

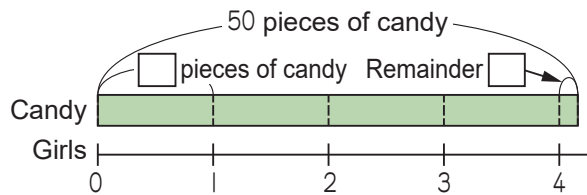
Answer 16 R 2.
Each child will get 16 chocolates and 2 are left over.

Check $3 \times 16 + 2 = 50$

| | Tens | Ones |
|-----|------|------|
| | 1 | 6 |
| 3) | 5 | 0 |
| - | 3 | |
| | 2 | 0 |
| - | 1 | 8 |
| | | 2 |

1 There are 50 pieces of candy. If 4 girls share the candy equally, how many will each girl get, and how many will be left over?

Math sentence



Answer

Check

| | Tens | Ones |
|---|------|------|
|) | | |
| - | | |
| | | |
| - | | |
| | | |

2 If an 85 cm ribbon is cut into pieces measuring 8 cm each, how many pieces can we make in total? How many cm of ribbon will be left over?

Math sentence

Answer

Check

| | Tens | Ones |
|---|------|------|
|) | | |
| - | | |
| | | |
| - | | |
| | | |

2 - 9

Division Algorithm-1

Division Algorithm (6)

Example Calculate $734 \div 5$.

| Calculation of the hundreds place | <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td> </td><td> </td><td> </td></tr> </table> $\begin{array}{r} 5 \overline{) 734} \\ \underline{5} \\ 23 \end{array}$ | Hundreds | Tens | Ones | | | | <p>Divide 7 by 5. Write the quotient, 1, in the hundreds place.</p> | Write Multiply Subtract Bring down |
|---|--|----------|------|------|--|--|--|---|---|
| | Hundreds | Tens | Ones | | | | | | |
| | | | | | | | | | |
| | <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td> </td><td> </td><td> </td></tr> </table> $\begin{array}{r} 5 \overline{) 734} \\ \underline{5} \\ 23 \\ \underline{20} \\ 3 \end{array}$ | Hundreds | Tens | Ones | | | | <p>Multiply 5 by 1. (This is actually 5×100.) Write a 5.</p> | |
| Hundreds | Tens | Ones | | | | | | | |
| | | | | | | | | | |
| <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td> </td><td> </td><td> </td></tr> </table> $\begin{array}{r} 5 \overline{) 734} \\ \underline{5} \\ 23 \\ \underline{20} \\ 3 \end{array}$ | Hundreds | Tens | Ones | | | | <p>Subtract 5 from 7. (This is actually $700 - 500$.) Write a 2. Bring down the 3 from the tens place.</p> | | |
| Hundreds | Tens | Ones | | | | | | | |
| | | | | | | | | | |
| <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td> </td><td> </td><td> </td></tr> </table> $\begin{array}{r} 5 \overline{) 734} \\ \underline{5} \\ 23 \\ \underline{20} \\ 3 \end{array}$ | Hundreds | Tens | Ones | | | | <p>Divide 23 by 5. Write the quotient, 4, in the tens place. Multiply 5 by 4. (This is actually 5×40.) Write a 20.</p> | | |
| Hundreds | Tens | Ones | | | | | | | |
| | | | | | | | | | |
| Calculation of the tens place | <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td> </td><td> </td><td> </td></tr> </table> $\begin{array}{r} 5 \overline{) 734} \\ \underline{5} \\ 23 \\ \underline{20} \\ 3 \end{array}$ | Hundreds | Tens | Ones | | | | <p>Subtract 20 from 23. Bring down the 4 from the ones place.</p> | Write Multiply Subtract |
| | Hundreds | Tens | Ones | | | | | | |
| | | | | | | | | | |
| <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td> </td><td> </td><td> </td></tr> </table> $\begin{array}{r} 5 \overline{) 734} \\ \underline{5} \\ 23 \\ \underline{20} \\ 3 \end{array}$ | Hundreds | Tens | Ones | | | | <p>Divide 34 by 5. Write the quotient, 6, in the ones place.</p> | | |
| Hundreds | Tens | Ones | | | | | | | |
| | | | | | | | | | |
| <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td> </td><td> </td><td> </td></tr> </table> $\begin{array}{r} 5 \overline{) 734} \\ \underline{5} \\ 23 \\ \underline{20} \\ 3 \\ \underline{30} \\ 4 \end{array}$ | Hundreds | Tens | Ones | | | | <p>Multiply 5 by 6. Write a 30. Subtract 30 from 34. The remainder is 4. $734 \div 5 = 146 \text{ R}4$</p> | | |
| Hundreds | Tens | Ones | | | | | | | |
| | | | | | | | | | |

This “-” is not necessarily written in the algorithm. From this section, the “-” is omitted.

Check the answer:

$$5 \times 146 + 4 = 734$$

Calculate the following division problems by using the algorithm.

1 $809 \div 6$

| Hundreds | Tens | Ones |
|----------|------|------|
| | | |

$$\begin{array}{r} 6 \overline{) 809} \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$$

2 $991 \div 8$

| Hundreds | Tens | Ones |
|----------|------|------|
| | | |

$$\begin{array}{r} 8 \overline{) 991} \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$$

3 $715 \div 3$

4 $625 \div 4$

5 $873 \div 5$

6 $579 \div 2$

7 $797 \div 6$

8 $351 \div 2$

9 $437 \div 3$

10 $883 \div 3$

| | | | | |
|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 |

2 - 10

Division Algorithm-1

Division Algorithm (7)

Example Calculate $619 \div 3$.

| Calculation of the hundreds place | <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td></td><td></td></tr> </table> $\begin{array}{r} 2 \\ 3 \overline{) 619} \end{array}$ | Hundreds | Tens | Ones | 2 | | | <p>Divide 6 by 3. Write the quotient, 2, in the hundreds place.</p> | Write Multiply Subtract Bring down Write Multiply Subtract Bring down | Calculation of the ones place | <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td></td><td>6</td></tr> </table> $\begin{array}{r} 206 \\ 3 \overline{) 619} \\ \underline{6} \\ 019 \\ \underline{0} \\ 19 \\ \underline{18} \\ 1 \end{array}$ | Hundreds | Tens | Ones | 2 | | 6 | <p>Divide 19 by 3. Write the quotient, 6, in the ones place.</p> <p>Multiply 3 by 6. Write an 18.</p> | Write Multiply Subtract |
|---|--|----------|------|------|---|---|---|--|--|-------------------------------|---|----------|------|------|---|--|---|---|-------------------------------|
| | Hundreds | Tens | Ones | | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | | | |
| 2 | | 6 | | | | | | | | | | | | | | | | | |
| <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td></td><td>6</td></tr> </table> $\begin{array}{r} 206 \\ 3 \overline{) 619} \\ \underline{6} \\ 019 \\ \underline{6} \\ 01 \end{array}$ | Hundreds | Tens | Ones | 2 | | 6 | <p>Multiply 3 by 2. (This is actually 3×200.) Write a 6.</p> | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | | | |
| 2 | | 6 | | | | | | | | | | | | | | | | | |
| <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td></td><td>6</td></tr> </table> $\begin{array}{r} 206 \\ 3 \overline{) 619} \\ \underline{6} \\ 019 \\ \underline{6} \\ 01 \end{array}$ | Hundreds | Tens | Ones | 2 | | 6 | <p>Subtract 6 from 6. (This is actually $600 - 600$.) It is a 0.</p> | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | | | |
| 2 | | 6 | | | | | | | | | | | | | | | | | |
| Calculation of the tens place | <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td></td><td>6</td></tr> </table> $\begin{array}{r} 206 \\ 3 \overline{) 619} \\ \underline{6} \\ 019 \\ \underline{0} \\ 01 \end{array}$ | Hundreds | Tens | Ones | 2 | | 6 | <p>Bring down the 1 from the tens place.</p> | Write Multiply Subtract | | | | | | | | | | |
| | Hundreds | Tens | Ones | | | | | | | | | | | | | | | | |
| | 2 | | 6 | | | | | | | | | | | | | | | | |
| <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>0</td><td></td></tr> </table> $\begin{array}{r} 206 \\ 3 \overline{) 619} \\ \underline{6} \\ 019 \\ \underline{0} \\ 01 \end{array}$ | Hundreds | Tens | Ones | 2 | 0 | | <p>Divide 1 by 3. ($1 \div 3 = 0 \text{ R}3$) Write the quotient, 0, in the tens place.</p> | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | | | |
| 2 | 0 | | | | | | | | | | | | | | | | | | |
| <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>0</td><td>6</td></tr> </table> $\begin{array}{r} 206 \\ 3 \overline{) 619} \\ \underline{6} \\ 019 \\ \underline{0} \\ 019 \\ \underline{0} \\ 19 \\ \underline{18} \\ 1 \end{array}$ | Hundreds | Tens | Ones | 2 | 0 | 6 | <p>Multiply 0 by 3. Write a 0. Subtract 0 from 1. Write a 1. Bring down the 9 from the ones place.</p> | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | | | |
| 2 | 0 | 6 | | | | | | | | | | | | | | | | | |

Check the answer:

$$3 \times 206 + 1 = 619$$

Calculate the following division problems by using the algorithm.

- | 1 $923 \div 3$ | 2 $870 \div 8$ | 3 $613 \div 2$ | 4 $547 \div 5$ | | | | | | | | | | | | |
|---|----------------|----------------|-----------------|---|---|---|---|----------|------|------|---|---|---|--|--|
| <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>9</td><td>2</td><td>3</td></tr> </table> $\begin{array}{r} 3 \overline{) 923} \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$ | Hundreds | Tens | Ones | 9 | 2 | 3 | <table border="1" style="font-size: small;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>8</td><td>7</td><td>0</td></tr> </table> $\begin{array}{r} 8 \overline{) 870} \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$ | Hundreds | Tens | Ones | 8 | 7 | 0 | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | |
| 9 | 2 | 3 | | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | |
| 8 | 7 | 0 | | | | | | | | | | | | | |
| | | 5 $835 \div 4$ | 6 $647 \div 6$ | | | | | | | | | | | | |
| | | 7 $610 \div 3$ | 8 $752 \div 7$ | | | | | | | | | | | | |
| | | 9 $952 \div 9$ | 10 $825 \div 4$ | | | | | | | | | | | | |

| | | | | | | | |
|---|---|---|---|----|--|--|--|
| 1 | 2 | 3 | 4 | 5 | | | |
| 6 | 7 | 8 | 9 | 10 | | | |

2 - 11

Division Algorithm-1

Division Algorithm (8)

Example Calculate $721 \div 3$.

| Calculation of the hundreds place | <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td></td><td></td></tr> </table> <p>Divide 7 by 3. Write the quotient, 2, in the hundreds place.</p> | Hundreds | Tens | Ones | 2 | | | Write Multiply Subtract Bring down | Calculation of the tens place | <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>4</td><td>0</td></tr> </table> <p>Divide 12 by 3. Write the quotient, 4, in the tens place.</p> | Hundreds | Tens | Ones | 2 | 4 | 0 | Write Multiply Subtract Bring down Write Multiply Subtract |
|---|--|----------|------|------|---|---|--|---|-------------------------------|---|----------|------|------|---|---|---|--|
| | Hundreds | Tens | Ones | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | |
| 2 | 4 | 0 | | | | | | | | | | | | | | | |
| <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>2</td><td>1</td></tr> </table> <p>Multiply 3 by 2. (This is actually 3×200.) Write a 6.</p> | Hundreds | Tens | Ones | 2 | 2 | 1 | <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>6</td><td></td><td></td></tr> </table> <p>Multiply 3 by 4. (This is actually 3×40.) Write a 12.</p> | Hundreds | Tens | Ones | 6 | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>2</td><td>1</td></tr> </table> <p>Subtract 6 from 7. (This is actually $700 - 600$.) Write a 1.</p> | Hundreds | Tens | Ones | 2 | 2 | 1 | <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>4</td><td>0</td></tr> </table> <p>Subtract 12 from 12. (This is actually $120 - 120$.) Write a 0.</p> | Hundreds | Tens | Ones | 2 | 4 | 0 | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | |
| 2 | 4 | 0 | | | | | | | | | | | | | | | |
| <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>2</td><td>1</td></tr> </table> <p>Bring down the 2 from the tens place.</p> | Hundreds | Tens | Ones | 2 | 2 | 1 | <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>2</td><td>1</td></tr> </table> <p>Divide 1 by 3 ($1 \div 3 = 0 \text{ R}1$). Write the quotient, 0, in the ones place. Write a 0.</p> | Hundreds | Tens | Ones | 2 | 2 | 1 | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | |
| | <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>4</td><td>0</td></tr> </table> <p>Multiply 3 by 0.</p> | Hundreds | Tens | Ones | 2 | 4 | 0 | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | |
| 2 | 4 | 0 | | | | | | | | | | | | | | | |
| | <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>2</td><td>1</td></tr> </table> <p>Subtract 1 from 0. Write a 1. The remainder is 1.</p> | Hundreds | Tens | Ones | 2 | 2 | 1 | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | |
| | <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>2</td><td>2</td><td>1</td></tr> </table> <p>$721 \div 3 = 240 \text{ R}1$</p> | Hundreds | Tens | Ones | 2 | 2 | 1 | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | |

Check the answer:
 $3 \times 240 + 1 = 721$

Calculate the following division problems by using the algorithm.

- | 1 $812 \div 3$ | 2 $704 \div 5$ | 3 $482 \div 4$ | 4 $845 \div 7$ | | | | | | | | | | | | |
|---|----------------|----------------|-----------------|---|---|---|---|----------|------|------|---|---|---|--|--|
| <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>3</td><td>1</td><td>2</td></tr> </table> | Hundreds | Tens | Ones | 3 | 1 | 2 | <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr> <tr><td>5</td><td>0</td><td>4</td></tr> </table> | Hundreds | Tens | Ones | 5 | 0 | 4 | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | |
| 3 | 1 | 2 | | | | | | | | | | | | | |
| Hundreds | Tens | Ones | | | | | | | | | | | | | |
| 5 | 0 | 4 | | | | | | | | | | | | | |
| | | 5 $785 \div 6$ | 6 $967 \div 8$ | | | | | | | | | | | | |
| | | 7 $871 \div 3$ | 8 $521 \div 2$ | | | | | | | | | | | | |
| | | 9 $704 \div 5$ | 10 $922 \div 4$ | | | | | | | | | | | | |

| | | | | | | | | | |
|---|--|---|--|---|--|---|--|----|--|
| 1 | | 2 | | 3 | | 4 | | 5 | |
| 6 | | 7 | | 8 | | 9 | | 10 | |

2 - 12

Division Algorithm-1

Division Algorithm (9)

Example Calculate $214 \div 6$.

Calculation of the hundreds place

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | | |
| 6 | 2 | 1 | 4 |
| 0 | | | |

Divide 2 by 6.
Write a 0 in the hundreds place. (There is no problem if you do not write this 0.)

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | | |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | | |

Multiply 6 by 0.
Write a 0.

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | | |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | | |

Subtract 0 from 2.
Write a 2.

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | | |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | 1 | |

Bring down the 1 in the tens place.

Calculation of the tens place

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | 3 | |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | 1 | |

Divide 21 by 6.
Write the quotient, 3, in the tens place.

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | 3 | |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | 1 | |

Multiply 6 by 3. (This is actually 6×30 .)
Write an 18.

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | 3 | |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | 1 | |

Subtract 18 from 21. (This is actually 210×180 .)
Write a 3.

Write

Multiply

Subtract

Calculation of the ones place

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | 3 | |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | 1 | |

Bring down the 4 in the ones place.

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | 3 | 5 |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | 1 | |

Divide 34 by 6.
Write the quotient, 5, in the ones place.

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | 3 | 5 |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | 1 | |

Multiply 6 by 5.
Write a 30.

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | 3 | 5 |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | 1 | |

Subtract 30 from 34.
Write a 4.

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 0 | | 3 | 5 |
| 6 | 2 | 1 | 4 |
| 0 | | | |
| | 2 | 1 | |

The remainder is 4.

Check the answer:

$$6 \times 35 + 4 = 214$$

Bring down

Write

Multiply

Subtract

Calculate the following division problems by using the algorithm.

1 $169 \div 6$

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 6 | 1 | 6 | 9 |
| | | | |
| | | | |
| | | | |

2 $367 \div 7$

| | Hundreds | Tens | Ones |
|---|----------|------|------|
| 7 | 3 | 6 | 7 |
| | | | |
| | | | |
| | | | |

3 $269 \div 3$

5 $263 \div 4$

7 $739 \div 8$

9 $626 \div 7$

4 $235 \div 6$

6 $198 \div 5$

8 $598 \div 9$

10 $493 \div 6$

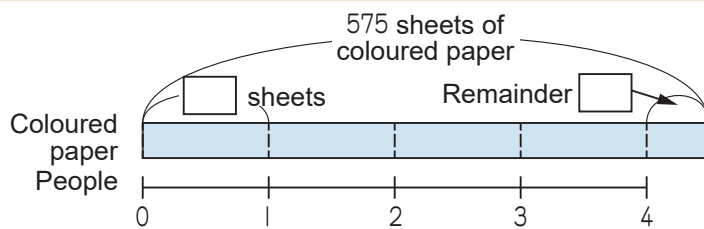
| | | | | | | | | | |
|---|--|---|--|---|--|---|--|----|--|
| 1 | | 2 | | 3 | | 4 | | 5 | |
| 6 | | 7 | | 8 | | 9 | | 10 | |

2 - 13

Division Algorithm-1

Division Problems (2)

Example 575 sheets of coloured paper are divided equally among 4 people. How many sheets of paper will each person get? How many sheets of paper are left over?



| | Hundreds | Tens | Ones |
|-----|----------|------|------|
| | 1 | 4 | 3 |
| 4) | 5 | 7 | 5 |
| | 4 | | |
| | 1 | 7 | |
| | 1 | 6 | |
| | | 1 | 5 |
| | | 1 | 2 |
| | | | 3 |

Math sentence $575 \div 4$

Answer 143 R 3.

Each person will get 143 sheets and 3 are left.

Check $4 \times 143 + 3 = 575$

1 323 sheets of colored paper will be divided equally among 3 classes. How many sheets of paper will each class get, and how many will be left over?

Math sentence

Answer

Check

| | Hundreds | Tens | Ones |
|---|----------|------|------|
|) | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2 There are 286 pencils divided into packages of 5 pencils each. How many packages we can make? How many pencils will be Left over?

Math sentence

Answer

Check

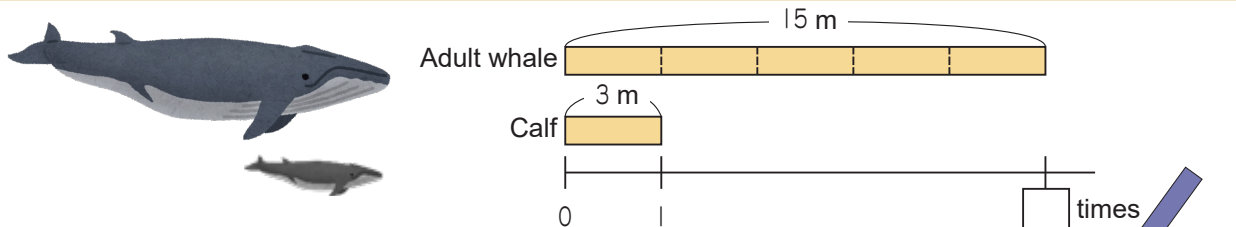
| | Hundreds | Tens | Ones |
|---|----------|------|------|
|) | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2 - 14

Division Algorithm-1

Calculations with Times as Much (1)

Example An adult whale is 15 m long, and its calf is 3 m long. How many times longer is the adult whale than its calf?



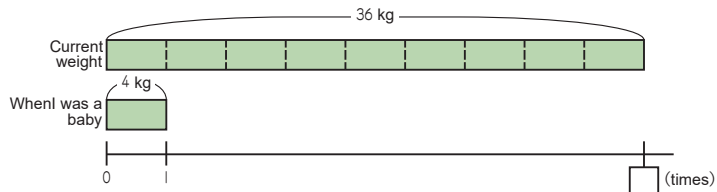
Math sentence $15 \div 3 = 5$ Answer 5 times



The adult whale is 5 times longer than its calf. Five times means that if we consider 3 m as 1, 15 m will be 5.

Answer the following questions.

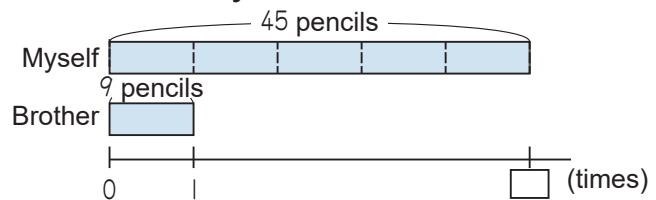
- 1 My current weight is 36 kg. When I was a baby, my weight was only 4 kg. How many times heavier am I currently than when I was a baby?



Math sentence

Answer _____

- 2 I have 45 pencils. My younger brother has 9 pencils. How many times more pencils do I have than my brother?



Math sentence

Answer _____

- 3 There are 90 pieces of white paper and 9 pieces of coloured paper. How many times more pieces of white paper are there than pieces of coloured paper?

Math sentence

Answer _____

Calculations with Times as Much (2)

Example A adult giraffe is 540 cm tall. It is 3 times taller than the baby giraffe. How tall is the baby giraffe?

Adult giraffe 540 cm

Young giraffe cm

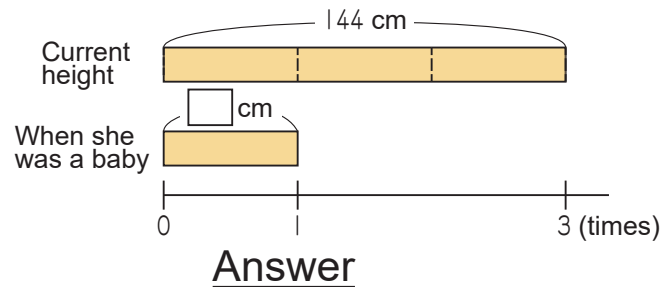
0 1 3 (times)

Math sentence $540 \div 3 = 180$ Answer 180 cm

Answer the following questions.

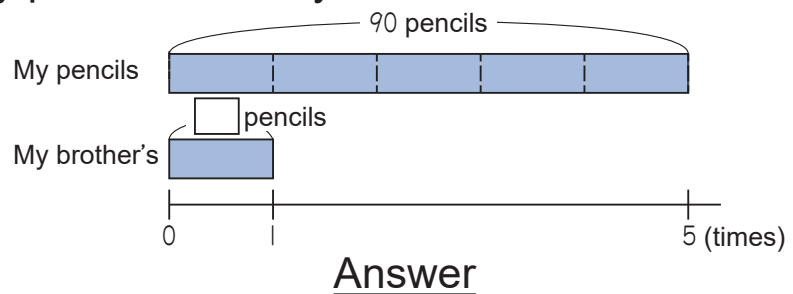
- 1 My sister is 144 cm tall. She is 3 times taller than when she was a baby. How tall was she when she was a baby?

Math sentence



- 2 I have 90 pencils. It is 5 times more pencils than what my brother has. How many pencils does my brother have?

Math sentence



- 3 My school library has 416 books. My school library has 8 times more books than my class library. How many books does my class library have?

Math sentence

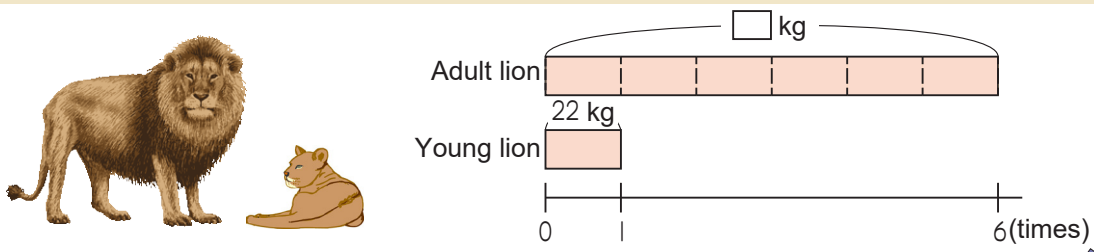
Answer _____

2 - 16

Division Algorithm-1

Calculations with Times as Much (3)

Example A young lion weighs 22 kg. An adult lion is 6 times heavier. How heavy is the adult lion?



Math sentence $22 \times 6 = 132$

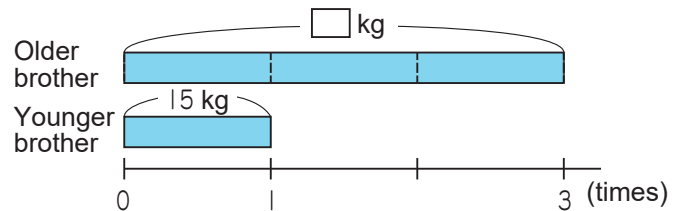
Use $132 \div 6$ to check your answer.

Answer 132 kg

Answer the following questions.

1 My younger brother weighs 15 kg, and my older brother is 3 times times heavier. How much does my older brother weigh?

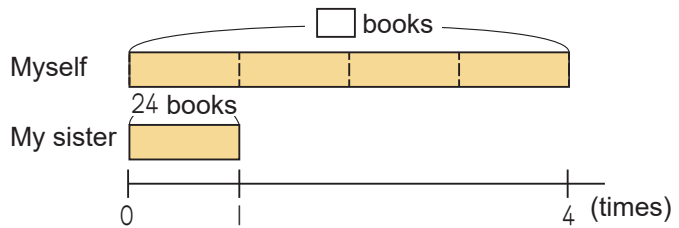
Math sentence



Answer _____

2 My sister read 24 books last month. I read 4 times as many books as she did. How many books did I read in total last month?

Math sentence



Answer _____

3 I cut a 35 cm long piece of ribbon. The ribbon was originally 8 times as long as the ribbon I have. How long was the original ribbon?

Math sentence

Answer _____

2 - 17

Division Algorithm-1

Mental Calculation (1)

Example 1 Calculate $24 \div 2$

$24 \div 2$ $20 \div 2 = 10$
 $4 \div 2 = 2$

Altogether 12

$24 \div 2 = \boxed{12}$

Calculate the following division problems in your head.

- | | | |
|-------------------------|-------------------------|-------------------------|
| 1 $48 \div 2 = \square$ | 2 $63 \div 3 = \square$ | 3 $48 \div 4 = \square$ |
| 4 $96 \div 3 = \square$ | 5 $82 \div 2 = \square$ | 6 $68 \div 2 = \square$ |

Example 2 Calculate $74 \div 2$



You can't divide 7 by 2 without a remainder. Instead, divide 74 into 60 and 14 and divide both numbers by 2. Then add the answers together.

$74 \div 2$ $60 \div 2 = 30$
 $14 \div 2 = 7$

Altogether 37

$74 \div 2 = \boxed{37}$

Calculate the following division problems in your head.

- | | | |
|-----------------------------|-----------------------------|-----------------------------|
| 1 $76 \div 2 = \square$ | 2 $45 \div 3 = \square$ | 3 $95 \div 5 = \square$ |
| 4 $56 \div 4 = \square$ | 5 $91 \div 7 = \square$ | 6 $81 \div 3 = \square$ |

2 - 18

Division Algorithm-1

Mental Calculation (2)

Example 1 Calculate $240 \div 2$



There is a 2 in the hundreds place and a 4 in the tens place. Calculate $24 \div 2$.

After you get 12 as the answer, put a 0 to the right of the number, which means 10 times.

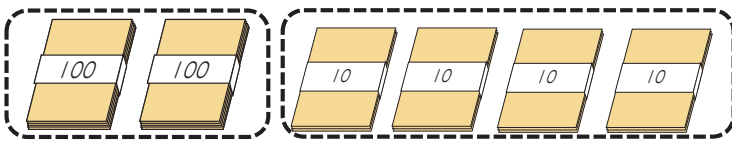
$$24 \div 2 = 12$$

↓ 10 times

$$240 \div 2 = 120$$

↓ 10 times

$$240 \div 2 = 120$$



Calculate the following division problems in your head.

- 1** $640 \div 2 = \square$
 2 $550 \div 5 = \square$
 3 $690 \div 3 = \square$
4 $840 \div 4 = \square$
 5 $860 \div 2 = \square$
 6 $480 \div 4 = \square$

Example 2 Calculate $740 \div 2$



There is a 7 in the hundreds place and a 4 in the tens place. Calculate $74 \div 2$.

After you get 37 as the answer, put a 0 to the right of the number, which means 10 times.

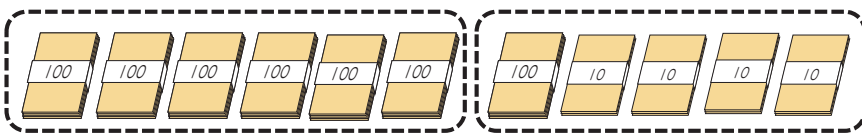
$$74 \div 2 = 37$$

↓ 10 times

$$740 \div 2 = 370$$

↓ 10 times

$$740 \div 2 = 370$$



Calculate the following division problems in your head.

- 1** $760 \div 2 = \square$
 2 $540 \div 3 = \square$
 3 $960 \div 4 = \square$
4 $650 \div 5 = \square$
 5 $580 \div 2 = \square$
 6 $480 \div 3 = \square$
7 $680 \div 4 = \square$
 8 $650 \div 5 = \square$
 9 $780 \div 6 = \square$

2 - 19

Division Algorithm-1

Review

1 Calculate the following division problems in your head.

- | | | |
|---|---|---|
| 1 $90 \div 3 =$ <input type="text"/> | 2 $360 \div 4 =$ <input type="text"/> | 3 $250 \div 5 =$ <input type="text"/> |
| 4 $1600 \div 4 =$ <input type="text"/> | 5 $1000 \div 2 =$ <input type="text"/> | 6 $2800 \div 7 =$ <input type="text"/> |
| 7 $24 \div 2 =$ <input type="text"/> | 8 $69 \div 3 =$ <input type="text"/> | 9 $88 \div 4 =$ <input type="text"/> |
| 10 $78 \div 6 =$ <input type="text"/> | 11 $84 \div 3 =$ <input type="text"/> | 12 $75 \div 5 =$ <input type="text"/> |
| 13 $840 \div 3 =$ <input type="text"/> | 14 $960 \div 8 =$ <input type="text"/> | 15 $960 \div 6 =$ <input type="text"/> |

2 Calculate the following division problems by using the algorithm. Then check your answer.

- | | | |
|---|---|---|
| 1 $70 \div 3 =$ <input type="text"/> | 2 $66 \div 4 =$ <input type="text"/> | 3 $97 \div 9 =$ <input type="text"/> |
|---|---|---|
- | | | |
|---|------|------|
| | Tens | Ones |
|) | | |
| | | |
| | | |
| | | |

| | | |
|---|------|------|
| | Tens | Ones |
|) | | |
| | | |
| | | |
| | | |

| | | |
|---|------|------|
| | Tens | Ones |
|) | | |
| | | |
| | | |
| | | |

Check Check Check

- | | | |
|--|--|--|
| 4 $814 \div 4 =$ <input type="text"/> | 5 $925 \div 3 =$ <input type="text"/> | 6 $603 \div 5 =$ <input type="text"/> |
|--|--|--|
- | | | | |
|---|----------|------|------|
| | Hundreds | Tens | Ones |
|) | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|----------|------|------|
| | Hundreds | Tens | Ones |
|) | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|----------|------|------|
| | Hundreds | Tens | Ones |
|) | | | |
| | | | |
| | | | |
| | | | |

Check Check Check

7 $733 \div 6 = \square$ 8 $987 \div 4 = \square$ 9 $716 \div 3 = \square$

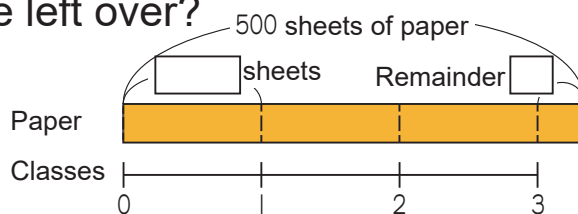
| Hundreds | Tens | Ones |
|----------|------|------|
| | | |
| | | |
| | | |
| | | |
| | | |

| Hundreds | Tens | Ones |
|----------|------|------|
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| | | |

| Hundreds | Tens | Ones |
|----------|------|------|
| | | |
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| | | |
| | | |

Check Check Check

3 500 sheets of paper are divided equally among 3 classes. How many sheets of paper will each class get? How many sheets of paper will be left over?



| Hundreds | Tens | Ones |
|----------|------|------|
| | | |
| | | |
| | | |
| | | |

Math sentence

Answer

Check

4 I have 40 biscuits and my younger brother has 8 biscuits. How many times more biscuits do I have?

Math sentence

Answer

5 I have 72 pencils. I have 6 times more pencils than my brother has. How many pencils does my brother have?

Math sentence

Answer
