MATH

# Long division

Name _____ Date _____

**I can use long division to divide bigger numbers.**

## 1 How it works

Divide one place at a time, starting on the left. Each round has four steps: divide, multiply, subtract, bring down. Then check by multiplying back.

```
   2 8
3 | 84
  - 6      8 ÷ 3 = 2, 2 × 3 = 6
    2 4    subtract, bring down 4
  - 2 4    24 ÷ 3 = 8, 8 × 3 = 24
    0      nothing left over
```

## 2 Try it with the steps

Divide, multiply, subtract, bring down.

$9\overline{)99}$ $2\overline{)78}$ $7\overline{)77}$

**How did I do?** ☆ ☆ ☆

Scan for more free practice

# Long division practice

Name _____ Date _____

I can divide a 2-digit or 3-digit number by a 1-digit number.

## 1 Divide. Show your steps.

$3\overline{)75}$ $6\overline{)78}$ $8\overline{)96}$

$6\overline{)72}$ $5\overline{)85}$ $3\overline{)51}$

How did I do? ☆ ☆ ☆

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# Bigger numbers and remainders

Name _____ Date _____

I can divide 3-digit numbers and write the remainder.

## 1 Divide. Write any remainder after R.

$8 \overline{)306}$ $4 \overline{)494}$ $7 \overline{)920}$

$3 \overline{)755}$ $4 \overline{)899}$ $5 \overline{)822}$

How did I do? ☆ ☆ ☆

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# Word problems

Name _____ Date _____

**I can use division to solve problems.**

## 1 Read, think, answer

Draw groups or use the steps if it helps.

**1** A school has 225 books to share equally among 3 classrooms. How many books does each classroom get?

**Answer:**

**2** Sara packs 707 cookies into plates of 6. How many full plates, and how many are left?

**Answer:**

**3** Leo walks 476 steps in 4 equal laps. How many steps are in each lap?

**Answer:**

**4** A bus trip is 525 miles over 5 days, the same each day. How many miles a day?

**Answer:**

**How did I do?** ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

# Answer key: long division

## 1 Page 1

Try it: 99 ÷ 9 = 11, 78 ÷ 2 = 39, 77 ÷ 7 = 11.

## 2 Page 2

Practice: 75 ÷ 3 = 25, 78 ÷ 6 = 13, 96 ÷ 8 = 12, 72 ÷ 6 = 12, 85 ÷ 5 = 17, 51 ÷ 3 = 17.

## 3 Page 3

Bigger numbers: 306 ÷ 8 = 38 R2, 494 ÷ 4 = 123 R2, 920 ÷ 7 = 131 R3, 755 ÷ 3 = 251 R2, 899 ÷ 4 = 224 R3, 822 ÷ 5 = 164 R2.

## 4 Page 4: word problems

1) 75 (225 ÷ 3 = 75)
2) 117 full plates, 5 left (707 ÷ 6 = 117 R5)
3) 119 (476 ÷ 4 = 119)
4) 105 miles (525 ÷ 5 = 105)

## 5 Teaching tip

Write the four steps on a card children keep beside them. A silly sentence helps: Does McDonald's Sell Burgers? (divide, multiply, subtract, bring down).



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