

Grade 5 - Dividing by Two-Digit Divisors - Worksheet

Common Core 5.NBT.B.6 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

These 20 problems practice dividing whole numbers by two-digit divisors (Common Core 5.NBT.B.6). The dividends have up to four digits. You will use partial quotients and area models, estimate quotients with compatible numbers, and interpret remainders.

Check each answer by multiplying. The last six problems are word problems where you must decide what the remainder means.

Grade 5 · Common Core State Standards: **5.NBT.B.6**

Exercise 1 - Basic facts

Find the quotient: $96 \div 12$.

Exercise 2 - Division fact

Find the quotient: $84 \div 14$.

Exercise 3 - Multiples of ten

Find the quotient: $6,400 \div 80$.

Exercise 4 - Two digits by two digits

Find the quotient: $252 \div 21$.

Exercise 5 - Partial quotients, 345

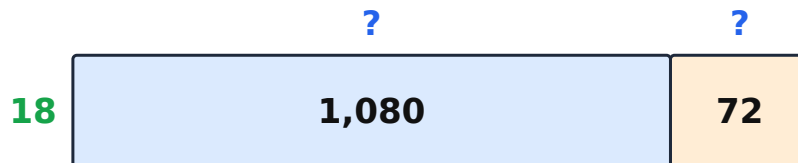
Find the quotient: $345 \div 15$.

Exercise 6 - Partial quotients, 972

Find the quotient: $972 \div 36$.

Exercise 7 - Area model division

The area model shows $1,152 \div 18$. Find the missing widths and the quotient.



Find the widths.

Exercise 8 - Four-digit dividend

Find the quotient: $2,184 \div 28$.

Exercise 9 - Larger divisor

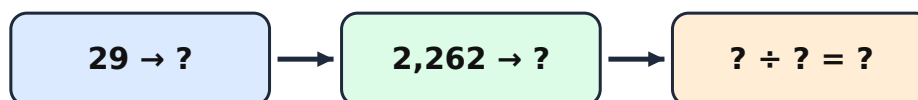
Find the quotient: $4,536 \div 54$.

Exercise 10 - Three-digit quotient

Find the quotient: $7,296 \div 48$.

Exercise 11 - Compatible numbers

Use compatible numbers to estimate $2,262 \div 29$. Then find the exact quotient.



Fill in the blanks.

Exercise 12 - A remainder

Divide: $475 \div 22$. Write the answer with a remainder.

Exercise 13 - Dividing 1,000

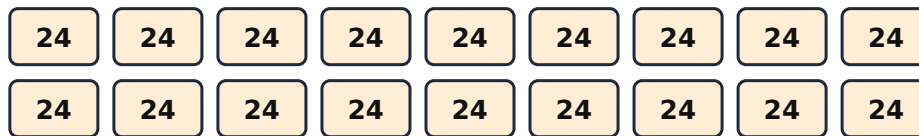
Divide: $1,000 \div 32$. Write the answer with a remainder.

Exercise 14 - A bigger remainder

Divide: $3,805 \div 41$. Write the answer with a remainder.

Exercise 15 - Baseball boxes

The league has 432 baseballs. Each box holds 24 baseballs. How many boxes can it fill?



Each box holds 24.

Exercise 16 - Cupcake trays

Sofia bakes 648 cupcakes for a bake sale. She puts 36 cupcakes on each tray. How many trays does she need?



36 cupcakes on each tray.

Exercise 17 - Miles per hour

Aisha's family drives 1,368 miles on a road trip. They spend 24 hours driving. If they drive the same number of miles each hour, how many miles do they drive in one hour?

Exercise 18 - Field trip buses

A school has 250 students going on a field trip. Each bus holds 48 students. How many buses does the school need?



5 full buses and 10 students left.

Exercise 19 - Sticker pages

Jamal has 500 stickers. He puts 35 stickers on each page of his album. How many full pages does he make, and how many stickers are left over?



Each full page has 35 stickers.

Exercise 20 - Pencils for classes

Priya's school buys 18 boxes of pencils. Each box has 45 pencils. Each class gets 27 pencils. How many classes get pencils?