

Grade 6 · Multi-Digit Division · Worksheet

Common Core 6.NS.B.2 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

This worksheet has 20 problems on multi-digit division, aligned to Common Core 6.NS.B.2. The first problems build fluency with one- and two-digit divisors, and later problems add remainders, estimation, and checking by multiplication.

The last seven problems are word problems about bake sales, chairs, field trips, marbles, farmers markets, uniforms, and apples, where the remainder must be interpreted. Show every subtraction step.

Grade 6 Common Core: 6.NS.B.2

Problem 1: Divide by one digit

Find $756 \div 6$.

Problem 2: Divide by Five

Find $1,235 \div 5$.

Problem 3: Four-digit dividend

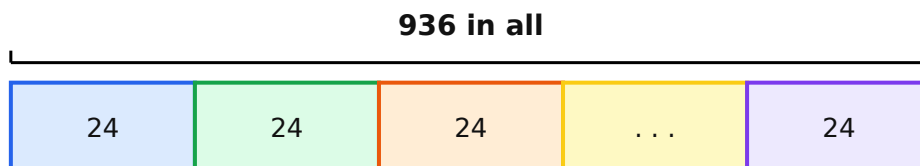
Find $2,184 \div 8$.

Problem 4: Zero in the Quotient

Find $6,307 \div 7$.

Problem 5: Two-digit divisor

Find $936 \div 24$.



Groups of 24 make 936 in all. How many groups?

Problem 6: Larger dividend

Find $4,352 \div 17$.

Problem 7: Five-Digit Dividend

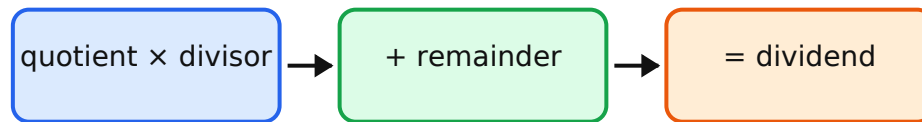
Find $23,184 \div 56$.

Problem 8: Repeated subtraction steps

Find $8,415 \div 33$.

Problem 9: Quotient with a remainder

Find $7,359 \div 45$. Write the answer as a quotient and a remainder.



Use this rule to check an answer.

Problem 10: Quotient and Remainder

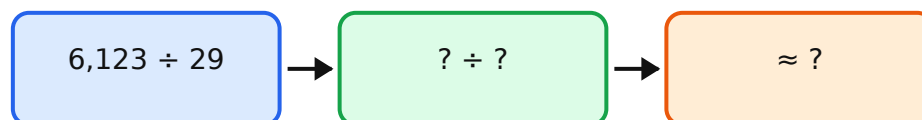
Find $5,163 \div 37$. Write the answer as a quotient and a remainder.

Problem 11: Check by Multiplying

Aisha says that $5,230 \div 40 = 130 \text{ R } 3$. Use multiplication to decide whether she is correct. If she is not, find the correct quotient and remainder.

Problem 12: Estimate then divide

Estimate $6,123 \div 29$ using compatible numbers. Then find the exact quotient and remainder.



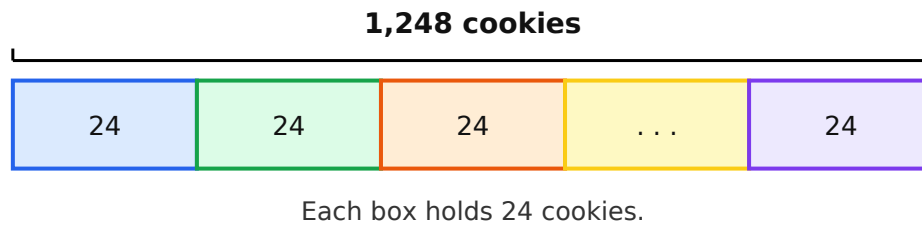
Fill in the compatible numbers and the estimate.

Problem 13: Compatible Numbers

Estimate $5,982 \div 31$ using compatible numbers. Then find the exact quotient and remainder.

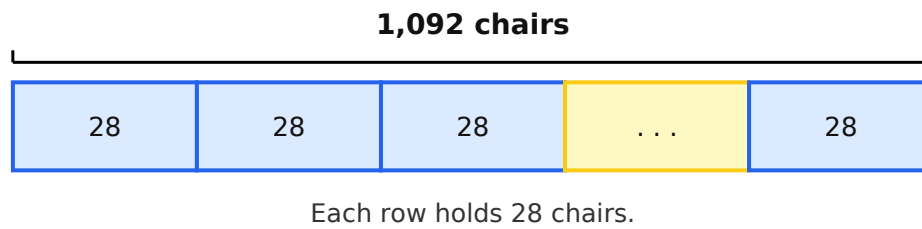
Problem 14: Bake sale boxes

Sofia bakes 1,248 cookies for a bake sale and packs 24 cookies in each box. Calculate the number of boxes she fills.



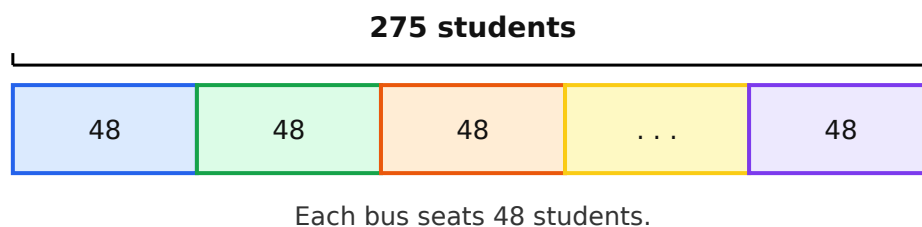
Problem 15: Rows of Chairs

The school gym needs 1,092 chairs for graduation. The chairs are set up in rows of 28. Calculate the number of rows.



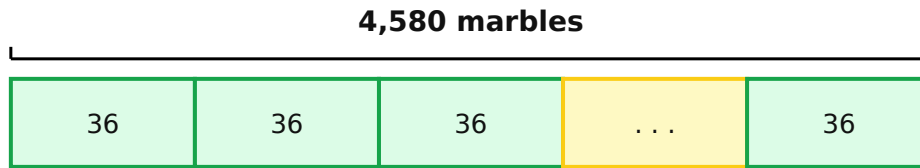
Problem 16: Field trip buses

A school has 275 students going on a field trip. Each bus seats 48 students. Find the number of buses the school needs so that every student has a seat.



Problem 17: Bags of Marbles

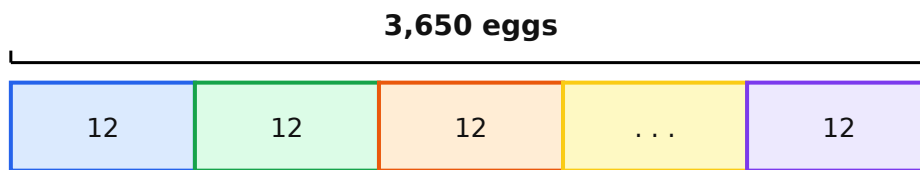
Ethan packs 4,580 marbles into bags of 36 marbles. Find (a) the number of full bags, (b) the number of marbles left over, and (c) how many more marbles he needs to fill one more bag.



Each bag holds 36 marbles.

Problem 18: Egg cartons

A farmer at the farmers market has 3,650 eggs. Cartons hold 12 eggs each, and each full carton sells for \$3. Calculate how many full cartons are filled, how many eggs are left over, and the money earned from the full cartons.



Each carton holds 12 eggs.

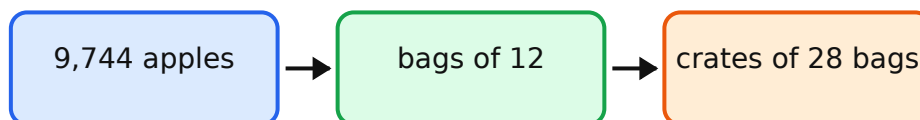
Problem 19: Team Uniforms

A Little League team raised \$3,185 at a car wash. Each uniform costs \$42. Find (a) the number of uniforms the team can buy, (b) the amount of money left over, and (c) how much more money the team needs to buy one more uniform.

Problem 20: Apple Crates

A farm picks 9,744 apples. The apples are packed in bags of 12, and then the bags are packed into crates of 28 bags each.

- a. Find the number of bags.
- b. Find the number of crates.



Apples are packed into bags, then bags into crates.