



Dividing by two-digit divisors

GRADE 5 MATH

Name _____

Date _____

Estimate, divide, multiply back. Every question, all three. Ask where a 0 would have to go.

WORKED EXAMPLE

Estimate for the size and the number of digits. One digit per step, including the steps that give none. Multiply back. A remainder is smaller than the divisor, and is not a decimal part.

1. Estimate, then work out $966 \div 42$, then check.

FLUENCY

Show your thinking

Answer

2. Estimate, then work out $8415 \div 33$, then check.

FLUENCY

Show your thinking

Answer

3. Estimate, then work out $2050 \div 41$, then check.

FLUENCY

Show your thinking

Answer

4. Estimate, then work out $7225 \div 25$, then check.

FLUENCY

Show your thinking

Answer

5. A child gets $2050 \div 41 = 5$. Use an estimate only to show this is wrong, and say roughly how wrong.

REASONING

Show your thinking

Answer

6. Work out $1000 \div 32$. Then say why a remainder can never be 32 or more.

REASONING

Show your thinking

Answer

7. 482 seats are needed and each row holds 24. How many full rows, and how many seats left over? What does the remainder mean here?

APPLICATION

Show your thinking

Answer

8. Turn $500 \div 24 = 20 \text{ r } 20$ into a decimal answer to two places. Show how you got from the remainder to the decimal.

APPLICATION

Show your thinking

Answer

9. Why does multiplying back matter more with a two-digit divisor than with a one-digit one?

REASONING

Show your thinking

Answer