

PATTERNS Dividing: When dividing numbers ending in zeros, divide the non-zero numbers. Then cancel zeroes in factors, and put the remaining zeroes on your answer.

Do you notice anything about these answers?

examples $500 \div 10 = 50$ $21,000 \div 700 = 30$ $72,000 \div 80 = 900$

Problem 1) $45,000 \div 500$

- a) Divide NON-ZERO digits _____ \div _____ = _____
 - b) Cancel (cross out zeroes in factors) How many zeroes are left? _____
 - c) Attach zeroes to answer in part "a" $45,000 \div 500 =$ _____
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Problem 2) $640 \div 80$

- a) Divide NON-ZERO digits _____ \div _____ = _____
 - b) Cancel (cross out zeroes in factors) How many are left? _____
 - c) Attach zeroes to answer in "a" $640 \div 80 =$ _____
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Problem 3) $14,000 \div 20 =$ _____

Problem 4) $240 \div 30 =$ _____

Problem 5) $640 \div 8 =$ _____

****Problem 6) $2000 \div 50 =$ _____**

****Problem 7) $400 \div 80 =$ _____**

8) \$540 split among 60 kids. How much does each kid get? Write an equation first!

9) $42,000 \div 600 =$ _____

10) $63,000 \div 70 =$ _____

*11) $20,000 \div 4000 =$ _____

12) You have \$1,200 that you want to share with 40 charities. Each will get an equal amount. How much money are you giving to each charity?

Write the equation (number sentence) that matches the problem, then solve mentally.

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Step 3) Scroll down until you see a box called “M330 Mental Math Patterns with Mult & Div” 16 questions and NEED HEADPHONES for the end!!!!

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