

Operations, Divisibility, and Estimation Quiz

1. Solve the following problems using the correct order of operations.

A. $6 + 5 \times 6$

B. $7 - 4 + 2$

C. $9 \times (6 - 5) \times 4$

D. $16 \div 2 \times 8 + 5$

2. Look at the following list of numbers:

1243

482

981

815

1080

36

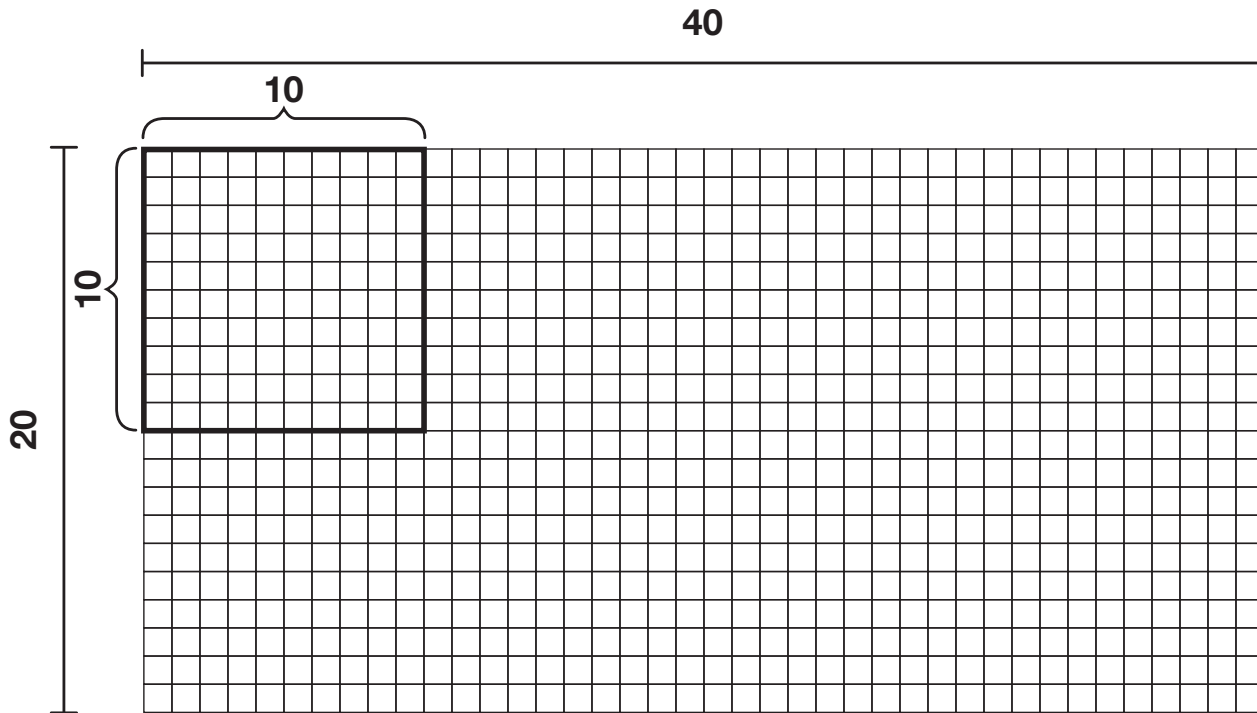
A. Which numbers in the list are divisible by 2?

B. Which numbers in the list are divisible by 9?

3. A. Is 480 divisible by 5? _____ Give a reason for your answer.

B. Is 480 divisible by 6? _____ Give a reason for your answer.

4. Jacob wants to show how to multiply 20×40 by using the rectangle grid below. He started by showing the length and width of the rectangle grid and then he marked off one 10-by-10 square. Help Jacob finish solving the problem. Use the rest of the rectangle to show how you found the answer.



5. Solve the following multiplication problems using any method you choose.

A. $40 \times 80 =$

B. $50 \times 600 =$

6. Show or tell how you solved Question 5B. Explain why your method works.

7. Find the value of n that makes each number sentence true.

A. $n \times 8 = 5600$

B. $100 \times n = 10,000$

8. Mrs. Dewey is buying science books for the 18 students in her class.

A. If the books are \$35.99 each, estimate about how much money she should bring to the bookstore. Show how you estimated.

B. Should your estimate be higher or lower than the exact answer? Explain your reasoning.

**Operations, Divisibility,
and Estimation Quiz
Feedback Box**

	Expectation	Check In	Comments
Use divisibility rules to identify factors and multiples. [Q# 2–3]	E1		
Multiply numbers that are multiples of ten. [Q# 4–7]	E2		
Follow the order of operations. [Q# 1]	E5		
Estimate products. [Q# 8]	E6		

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