

Estimation and Reasonableness - Advanced Multiplication Strategies

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4th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. Estimate 47×36 by rounding to the nearest ten. What is the estimated product?

2. Estimate 289×43 by rounding to the nearest ten. What is the estimated product?

3. Maria wants to buy 24 packs of pencils. Each pack costs about \$5. Estimate the total cost.

4. A factory produces 158 toys each hour. Estimate how many toys are produced in 6 hours.

5. Circle the greater estimated product: $50 \times$ or 29 :

30

or

49

6. What is the estimated product of 62×29 when rounding 62 to the nearest ten?

7. The estimate of 73×24 is greater than 1500. True or False?

True False

8. Round 78 to the nearest ten and multiply it by 20. What is the product?

9. If a school has 345 students and each student is given 3 pencils, estimate the total number of pencils needed.

10. Estimate the product of 268×54 by rounding each number to the nearest hundred. What is the estimated product?

11. A baker makes 128 cookies each day. Estimate how many cookies he makes in 4 days.

12. Which estimated product is closer to 1000: $25 \times$ or 50 ?:

40

or

20

13. Round 92 to the nearest ten and find the product with 10.
What is the product?

14. The estimated multiplication of 56×23 is about 1200. True or False?

True False

15. A gardener plants 56 rows of flowers with about 15 flowers in each row. Estimate the total number of flowers planted.

Answer Key

1. 1700 2. 12470 3. 120 4. 900 5. 50×30 6. 600 7. True 8. 1600 9. 1000 10. 14000 11. 500 12. 25×40 13. 900 14. True 15. 800