Practice   Video   Tools   Games

Another Look!

Estimate $2,946 \div 5$.

You can use mental math strategies to estimate quotients.

Use rounding.

2,946 rounds to 3,000.

$3,000 \div 5 = 600$

So, $2,946 \div 5$ is about 600.

Use patterns.

$5 \times 6 = 30$
$5 \times 600 = 3,000$

So, $2,946 \div 5$ is about 600.

Leveled Practice For **1–18**, estimate each quotient.

1. $1,561 \div 8$

What is 8×2? _____

What is 8×20? _____

What is 8×200? _____

What is $1,600 \div 8$? _____

So, $1,561 \div 8$ is about _____.

2. $2,008 \div 7$

What is 7×3? _____

What is 7×30? _____

What is 7×300? _____

What is $2,100 \div 7$? _____

So, $2,008 \div 7$ is about _____.

3. $461 \div 9$

4. $2,356 \div 6$

5. $5,352 \div 9$

6. $279 \div 9$

7. $2,449 \div 8$

8. $3,124 \div 6$

9. $4,519 \div 5$

10. $915 \div 3$

11. $2,120 \div 5$

12. $423 \div 4$

13. $3,305 \div 7$

14. $1,803 \div 2$

15. $8,167 \div 9$

16. $1,216 \div 6$

17. $1,007 \div 2$

18. $4,170 \div 8$

19. Bob and Kate are making bracelets to sell at a craft fair. Determine about how many bracelets Bob and Kate can make with each color of bead. Complete the table.

Color	Number of Beads	Beads per Bracelet	Estimated Number of Bracelets
Blue	258	6	
Silver	428	9	
Rose	102	3	
White	258	7	

20. About how many bracelets can they make before they run out of at least one color of bead? Which color of bead will they run out of first?

21. There is a special-rush order for 7 bracelets of each color. How many beads are needed for 7 bracelets of each color?

This table shows how many beads Bob and Kate have of each color. A table helps organize data.

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22. **Reasoning** The students who run the school store ordered 1,440 pencils. They are putting them in packages of 6 pencils. About how many packages can they make? Will the exact answer be more or less than the estimate? Explain.

23. **Higher Order Thinking** Find two estimates for 4,396 ÷ 4 by rounding the dividend to the nearest hundred and also to the nearest thousand. Compare the estimates.

Assessment Practice

24. Gary's father needs to save $3,705 in 6 months to pay for insurance. Which is the best estimate of the amount he should save each month? 4.0A.1.3

- Ⓐ About $700
- Ⓑ About $600
- Ⓒ About $70
- Ⓓ About $60

25. The local school district has 1,795 elementary students. They want to put the same number of students in each of 5 schools. Which is the best estimate of the number of students they should put in each school? 4.0A.1.3

- Ⓐ About 200
- Ⓑ About 300
- Ⓒ About 2,000
- Ⓓ About 3,000