Name _____

Practice   Video   Tools   Games

Another Look!

A roller coaster has 38 seats for passengers. The roller coaster runs 24 times each hour. About how many passengers can ride the roller coaster each hour?

Choose numbers close to 38 and 24 that you can multiply mentally.

Step 1

Choose compatible numbers.

24 is close to 25. 24×38

38 is close to 40.   ↓   ↓

25×40

Step 2

Multiply the compatible numbers.

$25 \times 40 = 1,000$

So, 24×38 is about 1,000.

About 1,000 passengers can ride the roller coaster each hour.

For **1–16,** estimate each product.

1. 23×12
23 is close to 25.
12 is close to _____.
$25 \times$ _____ = _____

2. 24×31
24 is close to 25.
31 is close to _____.
_____ $\times$ _____ = _____

3. 19×24

4. 51×17

5. 82×78

6. 12×26

7. 24×62

8. 48×29

9. 53×39

10. 51×23

11. 53×54

12. 68×39

13. 29×43

14. 62×87

15. 36×42

16. 91×77

There is more than one way to estimate a product.

17. About how many gallons of water are used to refill the bathtub every day for 31 days? Explain.

57 gallons of water

---

18. (A-Z) **Vocabulary** Use a vocabulary term to complete the definition.

_____ are numbers that are easy to compute mentally.

19. A store sells about 45 gadgets a day, 7 days a week. About how many gadgets might the store sell in 4 weeks? Explain.

---

20. **Number Sense** Nathan estimates 67×36 by finding 70×40. Will Nathan's estimate be greater than or less than the actual product? Explain.

21. **Higher Order Thinking** What might you consider when deciding whether to use rounding or compatible numbers to estimate? Explain.

(🔲) **Assessment Practice**

22. A tour guide leads groups of 26 people through a museum. She led 42 groups last year. Choose compatible numbers from the box to write two different estimates for the total number of people she led last year. Find the estimated products. (🌀) 4.0A.1.3

26 × 42
_____ × _____ = _____
_____ × _____ = _____
25   30   40   45