4

_____ _____
Name   Date

Estimate each product. Show your thinking.

1. 48×6

2. 247×9

3. $4 \times 7{,}081$

4. 32×18

5. 673×54

6. $1{,}235 \times 43$

7. Scott started to make an estimate for 718×41 but did not finish.

   a. Complete the equations to finish Scott's estimate.

   $$700 \times 40 = 7 \times \underline{\hspace{1.5cm}} \times 4 \times \underline{\hspace{1.5cm}}$$

   $$= \underline{\hspace{1.5cm}} \times 10^{\boxed{}}$$

   $$= \underline{\hspace{1.5cm}}$$

   b. Is Scott's estimate greater or less than the actual product of 718 and 41? Explain how you know without calculating the actual product.

8. Kelly and Adesh each write an expression to show how to estimate $1,846 \times 7$.

<div align="center">

Kelly's Way   Adesh's Way

$2,000 \times 7$ $2,000 \times 10$

</div>

Whose estimate is closer to the actual product? Explain your answer.

Estimate each quotient. Show your thinking.

9. $163 \div 4$

10. $2,631 \div 3$

11. $342 \div 54$

12. $647 \div 72$

13. $1,921 \div 91$

14. $4,609 \div 59$

15. Tim makes a mistake when he estimates 3,714 ÷ 94. What mistake does Tim make?

$$3{,}714 \div 94 \approx 3{,}600 \div 90$$
$$= 400$$

16. The table shows the cost of tickets for a concert.

Adult Ticket	Child Ticket
$27	$18

a. There are 8,309 adults at the concert. About how much was spent on adult tickets?

b. The total amount spent on children's tickets was $6,288. About how many children are at the concert?