

Chapter 6 Test Page 1

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1. List three multiplication facts that you can use to help you calculate 5×8 . How can you use each fact? (Chunking, doubling, multiples of 10)

2. Joe fills a box with six muffins.

a) How many muffins does he need to fill eight boxes? (use $5 \times 8 = 40$ to figure 6×8)

b) How would the number change if he fills nine boxes? (use $10 \times 6 = 60$ to find $9 \times 6 =$)

3. How can you use base ten blocks to show that $30 \times 40 = 1200$? Sketch your model. (example: 50×3 tens)

4. Use a sketch to show that $18 \times 50 = 9 \times 100$. (half and double)

1/2

5. How much greater is 4×96 than 4×90 ? How do you know? Show calculations.

1/2

1/4

Chapter 6 Test Page 2

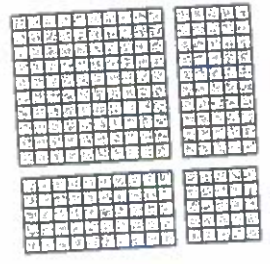
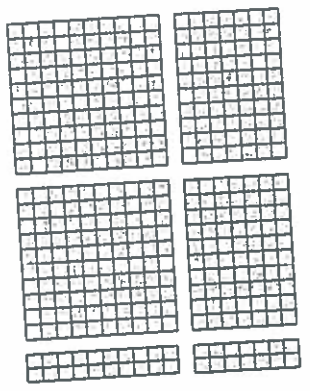
6. One boat can hold 15 passengers to ferry them across a lake.
 About how many passengers can 21 boats hold?
 Describe your estimation strategy.

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7. About 14 cars pass over a small bridge every 6 hours. (Hint estimate-show),
 About how many cars pass over the bridge in a week? *Your work*

3

8. Calculate. Use Expanded form to show calculations.
 a) 22×17 b) 15×15



3

9. Josie's heart beats 73 times in a minute. Show regrouping and calculation
 a) How many times will her heart beat in 12 min? $73 \times 12 =$

12

b) How many times will her heart beat in 35 min? $73 \times 35 =$

12

c) How many times will her heart beat in 41 min? $73 \times 41 =$

12

$\begin{array}{r} 73 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ \times 35 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ \times 41 \\ \hline \end{array}$
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