

Practice Test

Multiplication

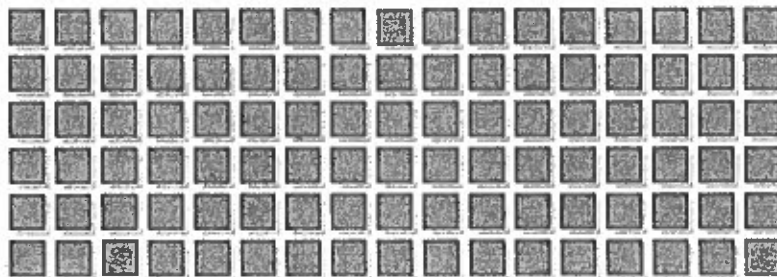
Lesson 2

1. What is the missing number?

- a) $600 = \square \times 100$
- b) $\square \times 60 = 480$
- c) $\square \times 300 = 1800$

Lesson 3

2. Matthew multiplied using this array.



- a) What multiplication does the array show?
- b) Show the array as 2 smaller arrays.
- c) Write the multiplication as the sum of 2 products.

Lesson 4

3. Eric's class has 28 students. Each student donated 5 items for a food drive. How many items did the class donate?

Lesson 5

4. Which estimate is closer to the actual product?
Explain your choice.

- a) 79×9 80×10 or 80×9 ?
- b) 47×7 50×7 or 47×10 ?

5. Would you estimate or calculate? Why?
If you would estimate, explain how.

- a) One rack contains 500 DVDs. How many DVDs are on 3 racks the same size?
- b) Keegan has \$187. Her sister has about 3 times as much. About how much money does Keegan's sister have?



Lesson 7

6. Jack is 7 years old today. How many days old is he?

7. Calculate.

- a) 3×49 b) 8×77 c) 5×176 d) 6×409

Lesson 8

8. Sound travels 344 m in a second.

How far does sound travel in 7 seconds?

9. Pierre is fencing off a square field for his horse.

Each side of the field is 152 m long.

What is the length of the fence?

10. 750 can be represented as 3×250 .

Represent 750 in 3 other ways using products.

11. Multiply. Estimate to check your answers.

- a) 9×35 b) 3×654 c) 4×185 d) 7×348

12. Determine the missing digits.

Show your calculations.

- a) $\begin{array}{r} \square 8 \\ \times 8 \\ \hline 30\square \end{array}$ b) $\begin{array}{r} 74 \\ \times \square \\ \hline 222 \end{array}$ c) $\begin{array}{r} \square 24 \\ \times 5 \\ \hline 26\square\square \end{array}$ d) $\begin{array}{r} \square\square 8\square \\ \times 4 \\ \hline 1128 \end{array}$

Lesson 9

13. Heather says she calculated 2×104 faster using mental math than using paper and pencil or a calculator. Explain why this could be true.

14. Multiply. Explain your choice of method.

- a) 50×4 b) 312×6 c) 8×479 d) 3×896

What Do You Think Now?

What Do You Think? on page 309. How have your explanations changed?