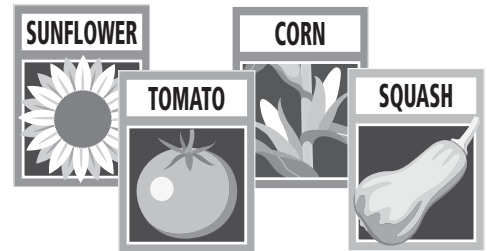




# Use Mental Math Strategies for Multiplication and Division

Use mental math to find the product or the quotient.  
Tell what strategy you used.

- 1** Chrystal helps her grandmother plant seeds in the garden. They plant squash, corn, sunflower, and tomato seeds. They plant 6 rows of each type of seed, and they plant 20 seeds in each row. How many seeds do they plant?



Find  $4 \times 6 \times 20$ .

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- 2** Hunter and Grace pick 5,400 grams of walnuts. They put the same amount of walnuts in 6 baskets. How many grams of walnuts are in each basket?

Find  $5,400 \div 6$ .

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Use mental math to find the product or the quotient. Tell which strategy you used.

**3**  $5 \times 24$

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**4**  $2,400 \div 8$

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**5**  $369 \div 9$

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**6**  $80 \times 4 \times 3$

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## Test Prep

- 7 Lonnie has 3 sticker books. Each book has 7 pages, and there are 10 stickers on each page. How many stickers does Lonnie have altogether?

(A) 73                      (C) 213  
(B) 210                    (D) 703

- 8 Select all the ways you can use mental math to find the quotient.

$$3,200 \div 4$$

- (A) Think:  $4 \times 8 = 32$ , so  $4 \times 80 = 3,200$ .  
(B) Think:  $32 \text{ hundreds} \div 4 = 8 \text{ hundreds}$   
(C) Think:  $32 \div 4 = 8$ , so  $3,200 \div 4 = 8,000$ .  
(D) Think: What times 4 equals 3,200?  
(E) Think:  $32 \text{ thousands} \div 4 = 8 \text{ thousands}$ .

- 9 Use the numbers to show a true equation that finds the quotient.

$$636 \div 6 = \blacksquare$$

3	6	6	30	36	106	136	600
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$$(\underline{\quad} \div \underline{\quad}) + (\underline{\quad} \div \underline{\quad}) = \underline{\quad}$$

## Spiral Review

- 10 Nina works 15 hours at the store this week. That is 5 times as many hours as she worked last week. How many hours did Nina work at the store last week?

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- 11 A stadium holds 2,000 people. Tickets to a football game at the stadium cost \$4. If all of the tickets are sold, how much money will be made selling tickets?

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