Commutative Property of Multiplication - ANSWER KEY

Grade 3 | Using turnaround facts: changing the order of factors does not change the product | Version 1 of 10

Changing the order of the factors does not change the product. Example: 3 × 8 = 8 × 3, because both equal 24.

Part A: Write the missing factor.

1. 9 × 4 = 4 × **9**
2. 7 × 8 = 8 × **7**
3. 3 × 10 = 10 × **3**
4. 5 × 8 = 8 × **5**
5. 5 × 7 = 7 × **5**
6. 5 × 3 = 3 × **5**
7. 2 × 7 = 7 × **2**
8. 4 × 2 = 2 × **4**

Part B: Use the first fact to finish the turnaround fact.

9. If 7 × 4 = 28, then 4 × 7 = **28**
10. If 5 × 4 = 20, then 4 × 5 = **20**
11. If 4 × 10 = 40, then 10 × 4 = **40**
12. If 8 × 5 = 40, then 5 × 8 = **40**
13. If 1 × 10 = 10, then 10 × 1 = **10**
14. If 5 × 1 = 5, then 1 × 5 = **5**
15. If 2 × 6 = 12, then 6 × 2 = **12**
16. If 5 × 7 = 35, then 7 × 5 = **35**

Commutative Property of Multiplication - ANSWER KEY

Grade 3 | Using turnaround facts: changing the order of factors does not change the product | Version 2 of 10

Changing the order of the factors does not change the product. Example: 3 × 8 = 8 × 3, because both equal 24.

Part A: Write the missing factor.

1. 10 × 8 = 8 × **10**
2. 1 × 8 = 8 × **1**
3. 7 × 3 = 3 × **7**
4. 8 × 6 = 6 × **8**
5. 10 × 1 = 1 × **10**
6. 4 × 9 = 9 × **4**
7. 6 × 8 = 8 × **6**
8. 3 × 9 = 9 × **3**

Part B: Use the first fact to finish the turnaround fact.

9. If 9 × 3 = 27, then 3 × 9 = **27**
10. If 8 × 4 = 32, then 4 × 8 = **32**
11. If 10 × 6 = 60, then 6 × 10 = **60**
12. If 5 × 6 = 30, then 6 × 5 = **30**
13. If 6 × 2 = 12, then 2 × 6 = **12**
14. If 9 × 6 = 54, then 6 × 9 = **54**
15. If 2 × 4 = 8, then 4 × 2 = **8**
16. If 2 × 1 = 2, then 1 × 2 = **2**

Commutative Property of Multiplication - ANSWER KEY

Grade 3 | Using turnaround facts: changing the order of factors does not change the product | Version 3 of 10

Changing the order of the factors does not change the product. Example: 3 × 8 = 8 × 3, because both equal 24.

Part A: Write the missing factor.

1. 1 × 7 = 7 × **1**
2. 5 × 4 = 4 × **5**
3. 4 × 1 = 1 × **4**
4. 1 × 2 = 2 × **1**
5. 7 × 9 = 9 × **7**
6. 9 × 7 = 7 × **9**
7. 6 × 9 = 9 × **6**
8. 3 × 1 = 1 × **3**

Part B: Use the first fact to finish the turnaround fact.

9. If 10 × 4 = 40, then 4 × 10 = **40**
10. If 3 × 5 = 15, then 5 × 3 = **15**
11. If 4 × 8 = 32, then 8 × 4 = **32**
12. If 3 × 7 = 21, then 7 × 3 = **21**
13. If 6 × 4 = 24, then 4 × 6 = **24**
14. If 1 × 5 = 5, then 5 × 1 = **5**
15. If 2 × 7 = 14, then 7 × 2 = **14**
16. If 4 × 2 = 8, then 2 × 4 = **8**

Commutative Property of Multiplication - ANSWER KEY

Grade 3 | Using turnaround facts: changing the order of factors does not change the product | Version 4 of 10

Changing the order of the factors does not change the product. Example: 3 × 8 = 8 × 3, because both equal 24.

Part A: Write the missing factor.

1. 2 × 5 = 5 × **2**
2. 9 × 6 = 6 × **9**
3. 3 × 6 = 6 × **3**
4. 2 × 8 = 8 × **2**
5. 5 × 2 = 2 × **5**
6. 5 × 9 = 9 × **5**
7. 1 × 5 = 5 × **1**
8. 2 × 9 = 9 × **2**

Part B: Use the first fact to finish the turnaround fact.

9. If 10 × 3 = 30, then 3 × 10 = **30**
10. If 3 × 4 = 12, then 4 × 3 = **12**
11. If 2 × 5 = 10, then 5 × 2 = **10**
12. If 10 × 8 = 80, then 8 × 10 = **80**
13. If 4 × 9 = 36, then 9 × 4 = **36**
14. If 6 × 8 = 48, then 8 × 6 = **48**
15. If 7 × 1 = 7, then 1 × 7 = **7**
16. If 1 × 8 = 8, then 8 × 1 = **8**

Commutative Property of Multiplication - ANSWER KEY

Grade 3 | Using turnaround facts: changing the order of factors does not change the product | Version 5 of 10

Changing the order of the factors does not change the product. Example: 3 × 8 = 8 × 3, because both equal 24.

Part A: Write the missing factor.

1. 7 × 2 = 2 × **7**
2. 8 × 3 = 3 × **8**
3. 2 × 3 = 3 × **2**
4. 6 × 10 = 10 × **6**
5. 1 × 3 = 3 × **1**
6. 2 × 6 = 6 × **2**
7. 8 × 7 = 7 × **8**
8. 9 × 5 = 5 × **9**

Part B: Use the first fact to finish the turnaround fact.

9. If 9 × 5 = 45, then 5 × 9 = **45**
10. If 8 × 3 = 24, then 3 × 8 = **24**
11. If 4 × 5 = 20, then 5 × 4 = **20**
12. If 7 × 9 = 63, then 9 × 7 = **63**
13. If 7 × 10 = 70, then 10 × 7 = **70**
14. If 8 × 10 = 80, then 10 × 8 = **80**
15. If 8 × 7 = 56, then 7 × 8 = **56**
16. If 10 × 7 = 70, then 7 × 10 = **70**

Commutative Property of Multiplication - ANSWER KEY

Grade 3 | Using turnaround facts: changing the order of factors does not change the product | Version 6 of 10

Changing the order of the factors does not change the product. Example: 3 × 8 = 8 × 3, because both equal 24.

Part A: Write the missing factor.

1. 10 × 9 = 9 × **10**
2. 6 × 2 = 2 × **6**
3. 1 × 4 = 4 × **1**
4. 8 × 9 = 9 × **8**
5. 5 × 10 = 10 × **5**
6. 6 × 1 = 1 × **6**
7. 10 × 5 = 5 × **10**
8. 4 × 8 = 8 × **4**

Part B: Use the first fact to finish the turnaround fact.

9. If 5 × 3 = 15, then 3 × 5 = **15**
10. If 3 × 9 = 27, then 9 × 3 = **27**
11. If 9 × 2 = 18, then 2 × 9 = **18**
12. If 5 × 8 = 40, then 8 × 5 = **40**
13. If 5 × 10 = 50, then 10 × 5 = **50**
14. If 7 × 3 = 21, then 3 × 7 = **21**
15. If 6 × 1 = 6, then 1 × 6 = **6**
16. If 10 × 9 = 90, then 9 × 10 = **90**

Commutative Property of Multiplication - ANSWER KEY

Grade 3 | Using turnaround facts: changing the order of factors does not change the product | Version 7 of 10

Changing the order of the factors does not change the product. Example: 3 × 8 = 8 × 3, because both equal 24.

Part A: Write the missing factor.

1. 9 × 1 = 1 × **9**
2. 2 × 4 = 4 × **2**
3. 3 × 7 = 7 × **3**
4. 10 × 3 = 3 × **10**
5. 6 × 5 = 5 × **6**
6. 9 × 2 = 2 × **9**
7. 4 × 5 = 5 × **4**
8. 8 × 2 = 2 × **8**

Part B: Use the first fact to finish the turnaround fact.

9. If 1 × 6 = 6, then 6 × 1 = **6**
10. If 2 × 9 = 18, then 9 × 2 = **18**
11. If 6 × 7 = 42, then 7 × 6 = **42**
12. If 10 × 1 = 10, then 1 × 10 = **10**
13. If 3 × 8 = 24, then 8 × 3 = **24**
14. If 6 × 3 = 18, then 3 × 6 = **18**
15. If 4 × 6 = 24, then 6 × 4 = **24**
16. If 10 × 5 = 50, then 5 × 10 = **50**

Commutative Property of Multiplication - ANSWER KEY

Grade 3 | Using turnaround facts: changing the order of factors does not change the product | Version 8 of 10

Changing the order of the factors does not change the product. Example: 3 × 8 = 8 × 3, because both equal 24.

Part A: Write the missing factor.

1. 9 × 3 = 3 × **9**
2. 4 × 7 = 7 × **4**
3. 9 × 8 = 8 × **9**
4. 3 × 2 = 2 × **3**
5. 6 × 4 = 4 × **6**
6. 4 × 3 = 3 × **4**
7. 6 × 7 = 7 × **6**
8. 8 × 1 = 1 × **8**

Part B: Use the first fact to finish the turnaround fact.

9. If 2 × 10 = 20, then 10 × 2 = **20**
10. If 7 × 5 = 35, then 5 × 7 = **35**
11. If 6 × 5 = 30, then 5 × 6 = **30**
12. If 6 × 9 = 54, then 9 × 6 = **54**
13. If 3 × 6 = 18, then 6 × 3 = **18**
14. If 8 × 6 = 48, then 6 × 8 = **48**
15. If 4 × 7 = 28, then 7 × 4 = **28**
16. If 4 × 3 = 12, then 3 × 4 = **12**

Commutative Property of Multiplication - ANSWER KEY

Grade 3 | Using turnaround facts: changing the order of factors does not change the product | Version 9 of 10

Changing the order of the factors does not change the product. Example: 3 × 8 = 8 × 3, because both equal 24.

Part A: Write the missing factor.

1. 6 × 3 = 3 × **6**
2. 3 × 5 = 5 × **3**
3. 3 × 4 = 4 × **3**
4. 1 × 6 = 6 × **1**
5. 7 × 5 = 5 × **7**
6. 8 × 4 = 4 × **8**
7. 9 × 10 = 10 × **9**
8. 7 × 10 = 10 × **7**

Part B: Use the first fact to finish the turnaround fact.

9. If 2 × 3 = 6, then 3 × 2 = **6**
10. If 4 × 1 = 4, then 1 × 4 = **4**
11. If 6 × 10 = 60, then 10 × 6 = **60**
12. If 10 × 2 = 20, then 2 × 10 = **20**
13. If 9 × 1 = 9, then 1 × 9 = **9**
14. If 1 × 2 = 2, then 2 × 1 = **2**
15. If 5 × 2 = 10, then 2 × 5 = **10**
16. If 9 × 8 = 72, then 8 × 9 = **72**

Commutative Property of Multiplication - ANSWER KEY

Grade 3 | Using turnaround facts: changing the order of factors does not change the product | Version 10 of 10

Changing the order of the factors does not change the product. Example: 3 × 8 = 8 × 3, because both equal 24.

Part A: Write the missing factor.

1. 10 × 7 = 7 × **10**
2. 10 × 2 = 2 × **10**
3. 3 × 8 = 8 × **3**
4. 4 × 10 = 10 × **4**
5. 10 × 6 = 6 × **10**
6. 1 × 10 = 10 × **1**
7. 5 × 6 = 6 × **5**
8. 7 × 4 = 4 × **7**

Part B: Use the first fact to finish the turnaround fact.

9. If 3 × 2 = 6, then 2 × 3 = **6**
10. If 3 × 10 = 30, then 10 × 3 = **30**
11. If 9 × 7 = 63, then 7 × 9 = **63**
12. If 2 × 8 = 16, then 8 × 2 = **16**
13. If 7 × 8 = 56, then 8 × 7 = **56**
14. If 1 × 9 = 9, then 9 × 1 = **9**
15. If 9 × 10 = 90, then 10 × 9 = **90**
16. If 7 × 2 = 14, then 2 × 7 = **14**