Open Items

Grade 3

Practice

Section 1.1: Equal Groups

Multiplication as "groups of" - counting equal groups to find totals

NAME | DATE | SCORE

1 3.OA.A.1



Count the apples in baskets. How many apples are there in all? 3 groups of 4 = ____

Answer:

2 3.OA.A.1



Count the cookies on plates. How many cookies are there in all? 2 groups of 5 = ____

Answer:

3 3.OA.A.1



Count the stars in rows. How many stars are there in all? 4 groups of 3 = ____

Answer:

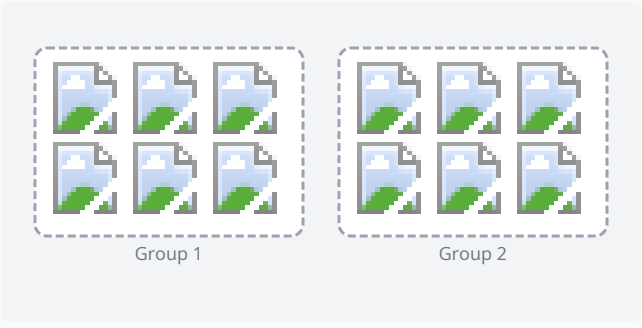
4 3.OA.A.1



Count the flowers in vases. How many flowers are there in all? 5 groups of 2 = ____

Answer:

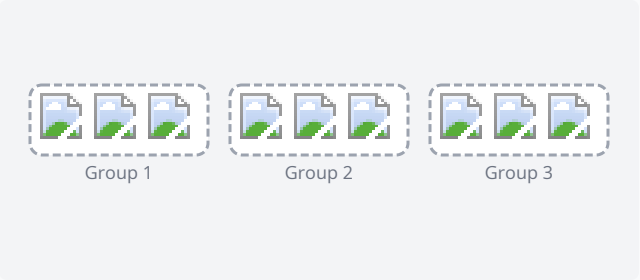
5 3.OA.A.1



Count the balls in boxes. How many balls are there in all? 2 groups of 6 = ____

Answer:

6 3.OA.A.1



Count the birds in trees. How many birds are there in all? 3 groups of 3 = ____

Answer:

7 3.OA.A.1



Count the fish in tanks. How many fish are there in all? 4 groups of 4 = ____

Answer:

8 3.OA.A.1



Count the balloons in bunches. How many balloons are there in all? 2 groups of 7 = _____

Answer:

9 3.OA.A.1

Maria has 4 bags of oranges. Each bag has 5 oranges. How many oranges does Maria have in all?

Answer:

10 3.OA.A.1

There are 3 tables in the classroom. Each table has 6 pencils. How many pencils are there altogether?

Answer:

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Grade 3

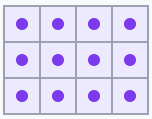
Practice

Section 1.2: Arrays

Multiplication as arrays - understanding rows × columns

NAME DATE SCORE

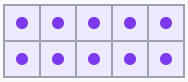
11 3.OA.A.1



Look at the array. Write the multiplication equation. _____ rows × _____ columns = _____

Answer: _____

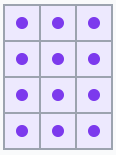
12 3.OA.A.1



Look at the array. Write the multiplication equation. _____ rows × _____ columns = _____

Answer: _____

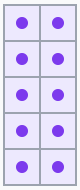
13 3.OA.A.1



Look at the array. Write the multiplication equation. _____ rows × _____ columns = _____

Answer: _____

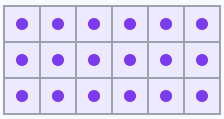
14 3.OA.A.1



Look at the array. Write the multiplication equation. _____ rows × _____ columns = _____

Answer: _____

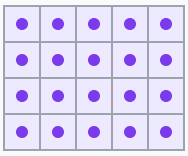
15 3.OA.A.1



Look at the array. Write the multiplication equation. _____ rows × _____ columns = _____

Answer: _____

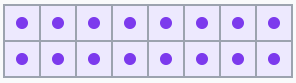
16 3.OA.A.1



Look at the array. Write the multiplication equation. _____ rows × _____ columns = _____

Answer: _____

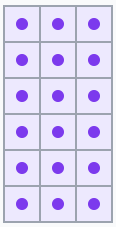
17 3.OA.A.1



Look at the array. Write the multiplication equation. _____ rows × _____ columns = _____

Answer: _____

18 3.OA.A.1



Look at the array. Write the multiplication equation. _____ rows × _____ columns = _____

Answer: _____

19 3.OA.A.1

Draw an array to show 3 × 5. How many dots are in your array?

Answer:

20 3.OA.A.1

Draw an array to show 4 × 4. How many dots are in your array?

Answer:

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Grade 3

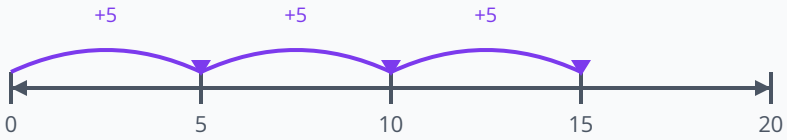
Practice

Section 1.3: Repeated Addition

Connecting repeated addition to multiplication

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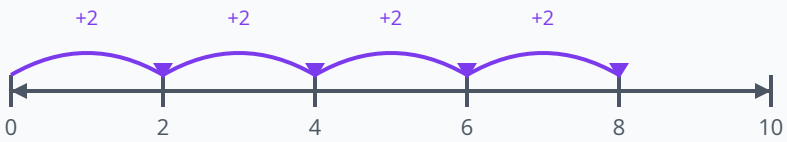
21 3.OA.A.1



The number line shows jumps of 5. Write the multiplication equation. 3 jumps of 5 = _____ × _____ = _____

Answer: _____

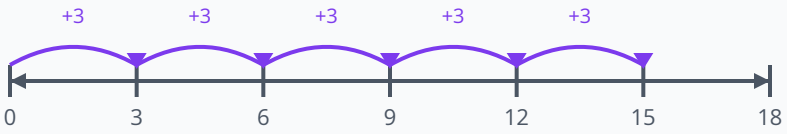
22 3.OA.A.1



The number line shows jumps of 2. Write the multiplication equation. 4 jumps of 2 = _____ × _____ = _____

Answer: _____

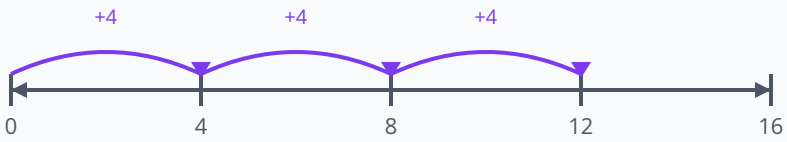
23 3.OA.A.1



The number line shows jumps of 3. Write the multiplication equation. 5 jumps of 3 = _____ × _____ = _____

Answer: _____

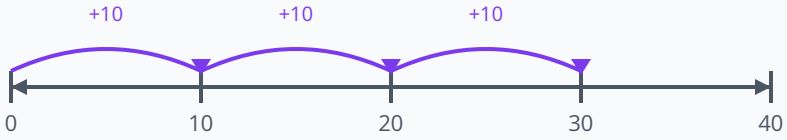
24 3.OA.A.1



The number line shows jumps of 4. Write the multiplication equation. 3 jumps of 4 = _____ × _____ = _____

Answer: _____

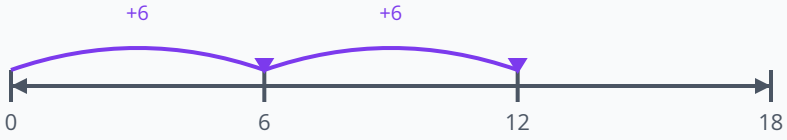
25 3.OA.A.1



The number line shows jumps of 10. Write the multiplication equation. 3 jumps of 10 = _____ × _____ = _____

Answer: _____

26 3.OA.A.1



The number line shows jumps of 6. Write the multiplication equation. 2 jumps of 6 = _____ × _____ = _____

Answer: _____

27 3.OA.A.1

Write a multiplication equation for: 4 + 4 + 4 = _____ _____ × _____ = _____

Answer: _____

28 3.OA.A.1

Write a multiplication equation for: 5 + 5 + 5 + 5 = ____ ____ × ____ = ____

Answer: _____

29 3.OA.A.1

Write a multiplication equation for: 2 + 2 + 2 + 2 + 2 + 2 = ____ ____ × ____ = ____

Answer: _____

30 3.OA.A.1

Write a multiplication equation for: 3 + 3 + 3 + 3 + 3 = ____ ____ × ____ = ____

Answer: _____

31 3.OA.A.1

Write a multiplication equation for: 6 + 6 + 6 = ____ ____ × ____ = ____

Answer: _____

32 3.OA.A.1

Write a multiplication equation for: 7 + 7 = ____ ____ × ____ = ____

Answer: _____

Section 1.4: Writing Equations

Translating stories into multiplication equations

Name: _____

Date: _____

Directions: Show all your work in the space provided. Write your final answer on the line.

33 A spider has 8 legs. How many legs do 3 spiders have? Write a multiplication equation and solve:

Show your work:

Answer: _____

34 Each box holds 6 crayons. How many crayons are in 4 boxes? Write a multiplication equation and solve:

Show your work:

Answer: _____

35 A tricycle has 3 wheels. How many wheels are on 5 tricycles? Write a multiplication equation and solve:

Show your work:

Answer: _____

36 There are 7 days in a week. How many days are in 2 weeks? Write a multiplication equation and solve:

Show your work:

Answer: _____

37 Each hand has 5 fingers. How many fingers do 4 people have altogether? Write a multiplication equation and solve:

Show your work:

Answer: _____

38 A car has 4 wheels. How many wheels are on 6 cars? Write a multiplication equation and solve:

Show your work:

Answer: _____

39 Each pack has 10 stickers. How many stickers are in 3 packs? Write a multiplication equation and solve:

Show your work:

Answer: _____

40 A hexagon has 6 sides. How many sides do 4 hexagons have? Write a multiplication equation and solve:

Show your work:

Answer: _____

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Grade 3

Practice

Section 1.5: Unit Review

Mixed practice with all multiplication concepts

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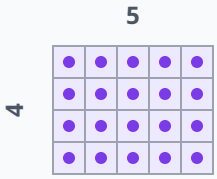
41 3.OA.A.1



How many cupcakes are there? Write the multiplication equation.

Answer: _____

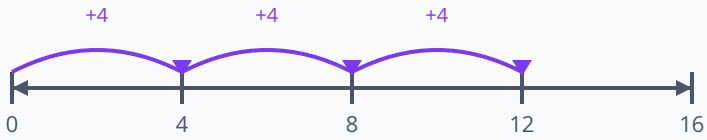
42 3.OA.B.5



Write two multiplication equations for this array.

Answer: _____

43 3.OA.A.1



Write the multiplication equation shown on the number line.

Answer: _____

44 3.OA.A.3

A classroom has 6 rows of desks with 5 desks in each row. How many desks are in the classroom?

Answer:

45 3.OA.A.3

Write a word problem that could be solved with 4 × 7 = 28.

Answer: _____

46 3.OA.A.1

Explain how 3 + 3 + 3 + 3 is the same as 4 × 3.

Answer: _____

47 3.OA.A.4

Complete the equation: 5 × _____ = 35

Answer:

48 3.OA.A.4

Complete the equation: _____ × 6 = 42

Answer:

Answer Key

Section 1.1: Equal Groups

1. 12
2. 10
3. 12
4. 10
5. 12
6. 9
7. 16
8. 14
9. 20
10. 18

Section 1.2: Arrays

11. 3 × 4 = 12
12. 2 × 5 = 10
13. 4 × 3 = 12
14. 5 × 2 = 10
15. 3 × 6 = 18
16. 4 × 5 = 20
17. 2 × 8 = 16
18. 6 × 3 = 18
19. 15
20. 16

Section 1.3: Repeated Addition

21. 3 × 5 = 15
22. 4 × 2 = 8
23. 5 × 3 = 15
24. 3 × 4 = 12
25. 3 × 10 = 30
26. 2 × 6 = 12
27. 3 × 4 = 12
28. 4 × 5 = 20
29. 6 × 2 = 12
30. 5 × 3 = 15
31. 3 × 6 = 18
32. 2 × 7 = 14

Section 1.4: Writing Equations

33. 24

34. 24

35. 15

36. 14

37. 40

38. 24

39. 30

40. 24

Section 1.5: Unit Review

41. $3 \times 4 = 12$

42. $4 \times 5 = 20$ and $5 \times 4 = 20$

43. $3 \times 4 = 12$

44. 30

45. Answers will vary

46. Both equal 12; repeated addition and multiplication

47. 7

48. 7