

Section 1.1: Equal Groups

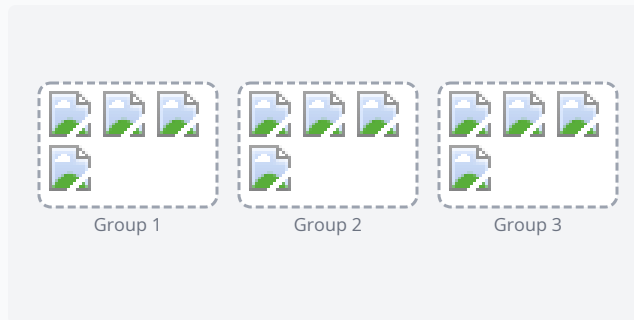
Multiplication as "groups of" - counting equal groups to find totals

NAME

DATE

SCORE

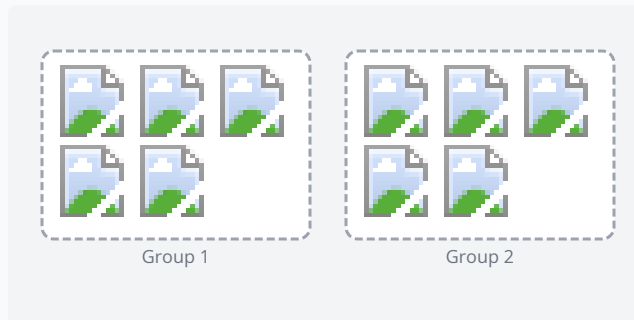
1 3.OA.A.1



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

Answer:

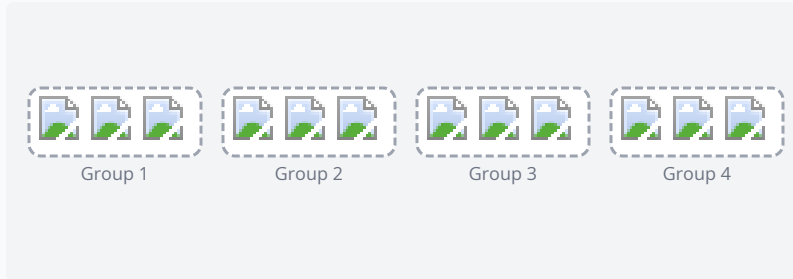
2 3.OA.A.1



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

Answer:

3 3.O.A.A.1



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

Answer:

4 3.O.A.A.1



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

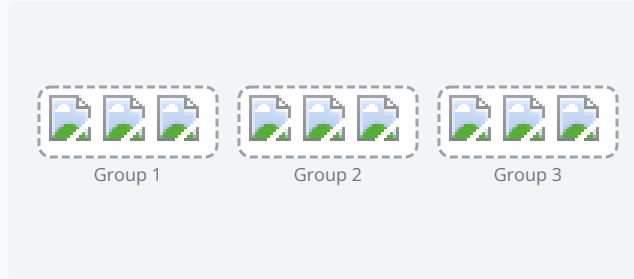
Answer:

5 3.O.A.A.1



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

Answer:

6 3.O.A.A.1

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

Answer:

7 3.O.A.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:

✓ Open Items

Grade 3

Section 1.2: Arrays

Practice

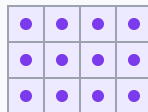
Multiplication as arrays - understanding rows \times columns

NAME

DATE

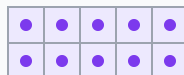
SCORE

11 3.OA.A.1

Look at the array. Write the multiplication equation. ____ rows \times ____ columns = ____

Answer: _____

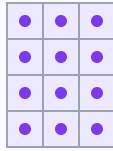
12 3.OA.A.1

Look at the array. Write the multiplication equation. ____ rows \times ____ columns = ____

Answer: _____

13

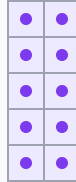
3.OA.A.1



Look at the array. Write the multiplication equation. ____ rows \times ____ columns = ____

Answer: _____

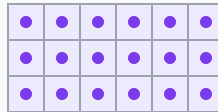
14 3.O.A.A.1



Look at the array. Write the multiplication equation. ____ rows \times ____ columns = ____

Answer: _____

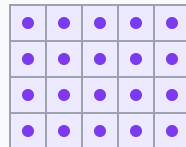
15 3.O.A.A.1



Look at the array. Write the multiplication equation. ____ rows \times ____ columns = ____

Answer: _____

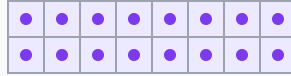
16 3.O.A.A.1



Look at the array. Write the multiplication equation. ____ rows \times ____ columns = ____

Answer: _____

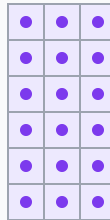
17 3.OA.A.1



Look at the array. Write the multiplication equation. ____ rows \times ____ columns = ____

Answer: _____

18 3.OA.A.1



Look at the array. Write the multiplication equation. ____ rows \times ____ 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:

Section 1.3 Repeated Addition

Open Items

Grade 3

Section 1.3: Repeated Addition

Practice

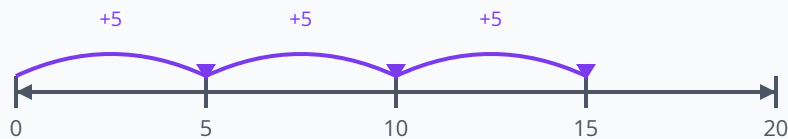
Connecting repeated addition to multiplication

NAME

DATE

SCORE

21 3.O.A.A.1

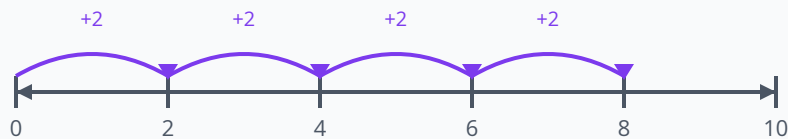


The number line shows jumps of 5. Write the multiplication equation. 3 jumps of 5 =

____ × ____ = ____

Answer: _____

22 3.O.A.A.1



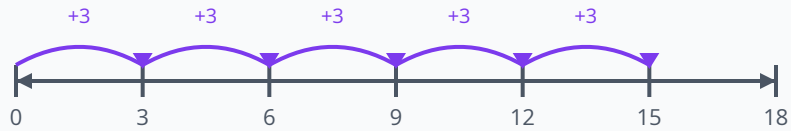
The number line shows jumps of 2. Write the multiplication equation. 4 jumps of 2 =

____ × ____ = ____

Answer: _____

23

3.OA.A.1



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

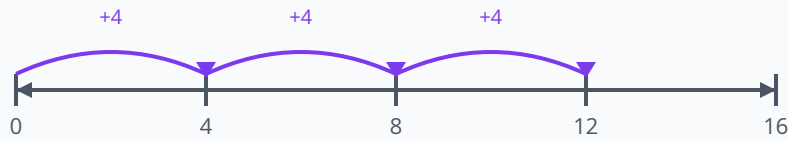
_____ × _____ = _____

Answer: _____

Section 1.3: Repeated Addition

Name: _____

24 3.OA.A.1

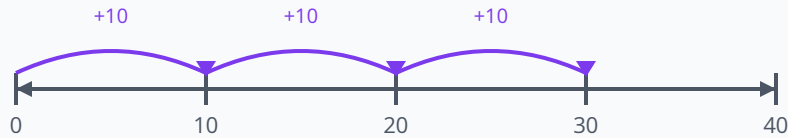


The number line shows jumps of 4. Write the multiplication equation. 3 jumps of 4 =

_____ × _____ = _____

Answer: _____

25 3.OA.A.1

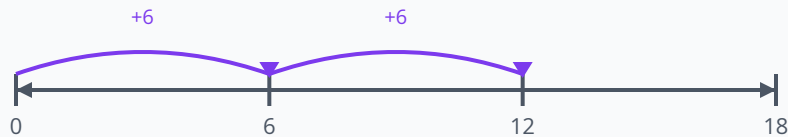


The number line shows jumps of 10. Write the multiplication equation. 3 jumps of 10 =

_____ × _____ = _____

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: _____

Section 1.3: Repeated Addition

Name: _____

Page 3 of 3

28 3.OA.A.1

Write a multiplication equation for: $5 + 5 + 5 + 5 = \underline{\quad} \underline{\quad} \times \underline{\quad} = \underline{\quad}$

Answer: _____

29 3.OA.A.1

Write a multiplication equation for: $2 + 2 + 2 + 2 + 2 + 2 = \underline{\quad} \underline{\quad} \times \underline{\quad} = \underline{\quad}$

Answer: _____

30 3.OA.A.1

Write a multiplication equation for: $3 + 3 + 3 + 3 + 3 = \underline{\quad} \underline{\quad} \times \underline{\quad} = \underline{\quad}$

Answer: _____

31 3.OA.A.1

Write a multiplication equation for: $6 + 6 + 6 = \underline{\quad} \underline{\quad} \times \underline{\quad} = \underline{\quad}$

Answer: _____

32 3.OA.A.1

Write a multiplication equation for: $7 + 7 = \underline{\quad} \underline{\quad} \times \underline{\quad} = \underline{\quad}$

Answer: _____

Section 1.4: Writing Equations

Name: _____

Date: _____

Translating stories into multiplication equations

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: _____

Open Items

Grade 3

Section 1.5: Unit Review

Practice

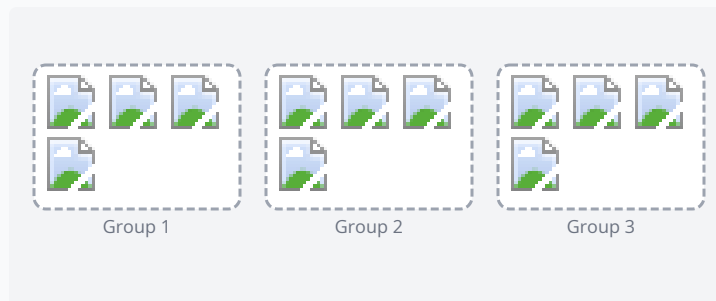
Mixed practice with all multiplication concepts

NAME

DATE

SCORE

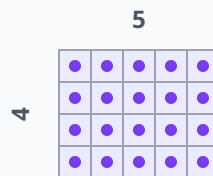
41 3.OA.A.1



How many cupcakes are there? Write the multiplication equation.

Answer: _____

42 3.OA.B.5

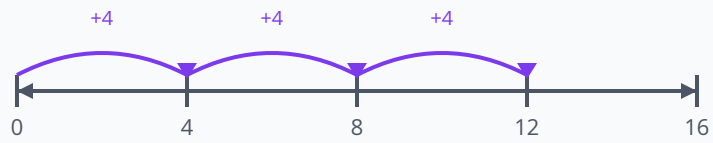


Write two multiplication equations for this array.

Answer: _____

43

3.OA.A.1



Write the multiplication equation shown on the number line.

Answer: _____

44 3.O.A.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.O.A.A.3

Write a word problem that could be solved with $4 \times 7 = 28$.

Answer: _____

46 3.O.A.A.1

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

Answer: _____

47 3.O.A.A.4

Complete the equation: $5 \times \underline{\quad} = 35$

Answer:

48 3.O.A.A.4

Complete the equation: $\underline{\quad} \times 6 = 42$

Answer:

Answer Key

Section 1.1: Equal Groups

1. 12

3. 12

5. 12

7. 16

9. 20

2. 10

4. 10

6. 9

8. 14

10. 18

Section 1.2: Arrays

11. $3 \times 4 = 12$

13. $4 \times 3 = 12$

15. $3 \times 6 = 18$

17. $2 \times 8 = 16$

19. 15

12. $2 \times 5 = 10$

14. $5 \times 2 = 10$

16. $4 \times 5 = 20$

18. $6 \times 3 = 18$

20. 16

Section 1.3: Repeated Addition

21. $3 \times 5 = 15$

23. $5 \times 3 = 15$

25. $3 \times 10 = 30$

27. $3 \times 4 = 12$

29. $6 \times 2 = 12$

31. $3 \times 6 = 18$

22. $4 \times 2 = 8$

24. $3 \times 4 = 12$

26. $2 \times 6 = 12$

28. $4 \times 5 = 20$

30. $5 \times 3 = 15$

32. $2 \times 7 = 14$

Section 1.4: Writing Equations

33. 24

35. 15

37. 40

39. 30

34. 24

36. 14

38. 24

40. 24

Section 1.5: Unit Review

41. $3 \times 4 = 12$

43. $3 \times 4 = 12$

45. Answers will vary

47. 7

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

44. 30

46. Both equal 12;
repeated addition
and multiplication

48. 7