● PlayPowerLearn

Section 1.1: Equal Groups

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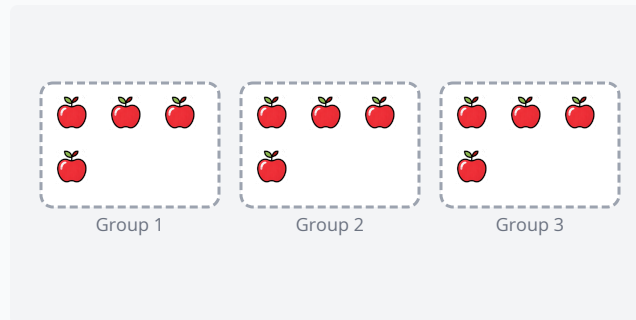
NAME

DATE

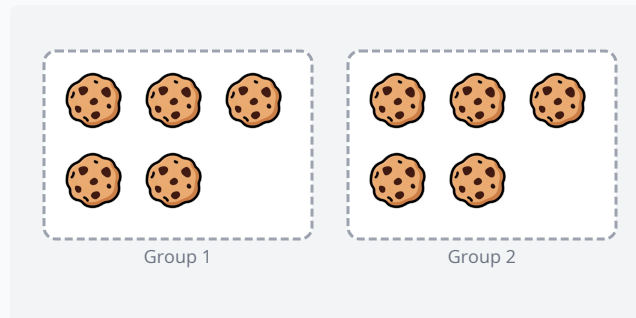**SCORE**

1   3.OA.A.1

Group 1   Group 2   Group 3

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

Answer:

2   3.OA.A.1

Group 1   Group 2

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

Answer:

3 3.OA.A.1

Group 1   Group 2   Group 3   Group 4
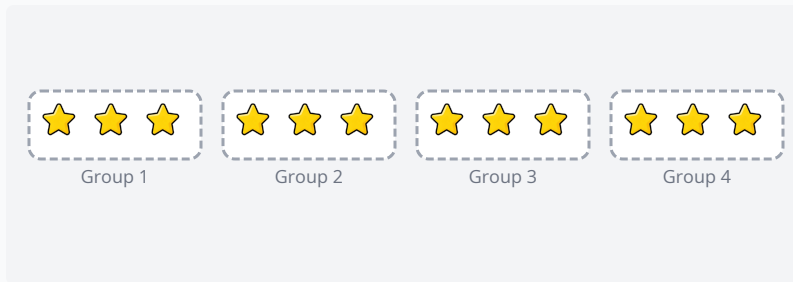
Count the stars in rows. How many stars are there in all? 4 groups of 3 = _____

Answer:

4 3.OA.A.1

Group 1   Group 2   Group 3   Group 4   Group 5
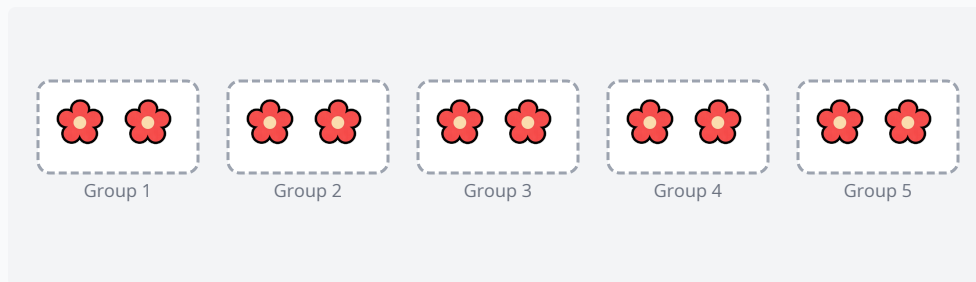
Count the flowers in vases. How many flowers are there in all? 5 groups of 2 = _____

Answer:

5 3.OA.A.1

Group 1   Group 2

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

Answer:

6 3.OA.A.1

Group 1   Group 2   Group 3
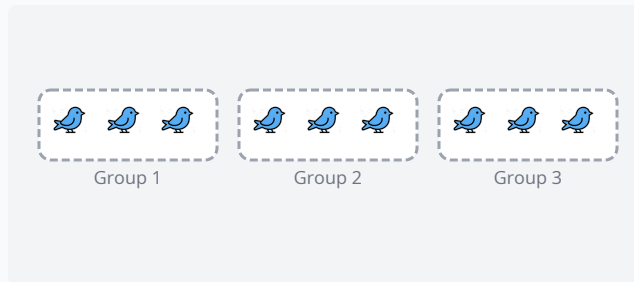
Count the birds in trees. How many birds are there in all? 3 groups of 3 = _____

Answer:

7 3.OA.A.1

Group 1   Group 2   Group 3   Group 4
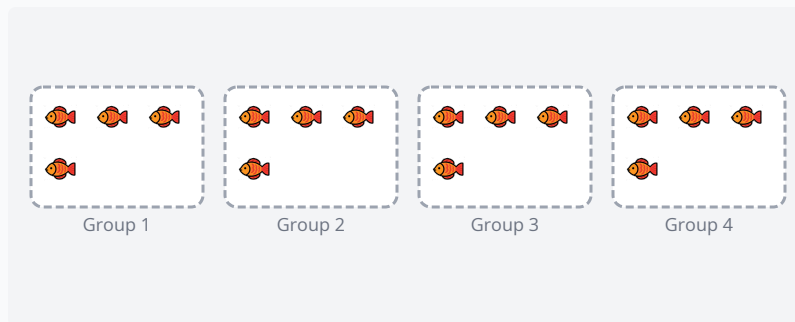
Count the fish in tanks. How many fish are there in all? 4 groups of 4 = _____

Answer:

8   3.OA.A.1

Group 1   Group 2
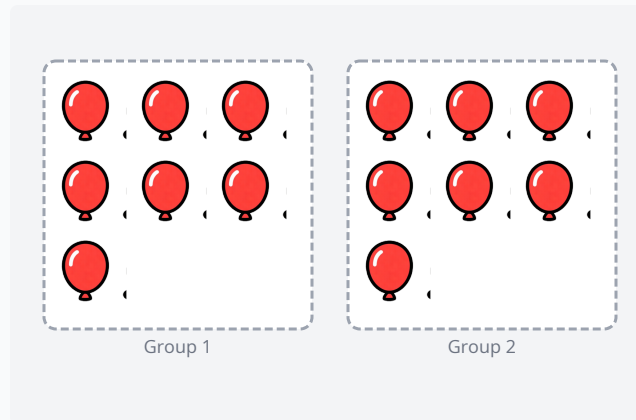
Count the balloons in bunches. How many balloons are there in all? 2 groups of 7 = _____

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?
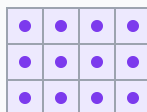
Answer: [   ]

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Grade 3

Section 1.2: Arrays

Multiplication as arrays - understanding rows × columns

Practice

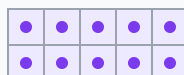| NAME	DATE	SCORE

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: _____

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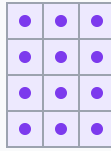
Answer: _____

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 = _____
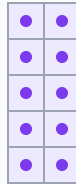
Answer: _____

16   3.OA.A.1

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

Answer: _____
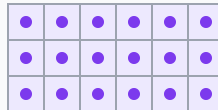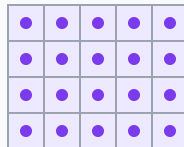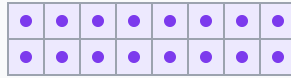
17 3.OA.A.1

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 = _____
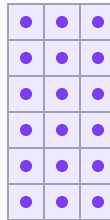
Answer: _____

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

Section 1.3: Repeated Addition

Practice

Connecting repeated addition to multiplication

NAME   DATE   SCORE

21 3.OA.A.1
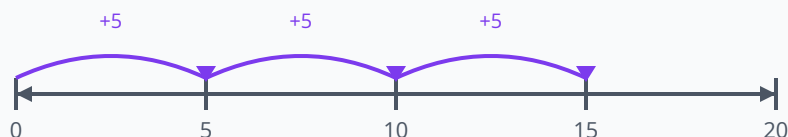
The number line shows jumps of 5. Write the multiplication equation. 3 jumps of 5 = _____ × _____ = _____

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

+4   +4   +4

0   4   8   12   16

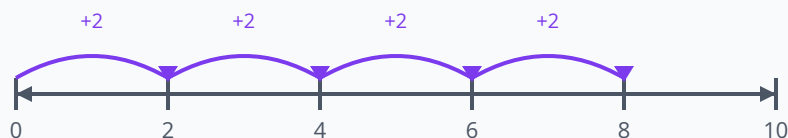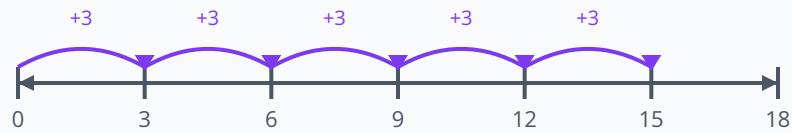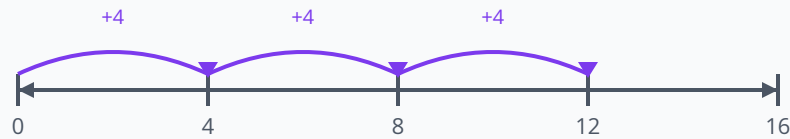The number line shows jumps of 4. Write the multiplication equation. 3 jumps of 4 = _____ × _____ = _____

Answer: _____

25 3.OA.A.1

+10   +10   +10

0   10   20   30   40

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

Answer: _____

26 3.OA.A.1

+6   +6

0   6   12   18

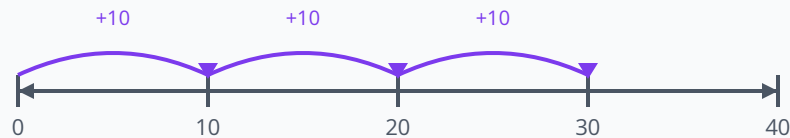The number line shows jumps of 6. Write the multiplication equation. 2 jumps of 6 = _____ × _____ = _____

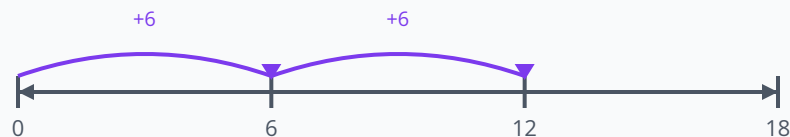**Answer:** _____

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 = ـــــ ـــــ × ـــــ = ـــــ

Answer: _____

29 3.OA.A.1

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

Answer: _____

30 3.OA.A.1

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

Answer: _____

31 3.OA.A.1

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

Answer: _____

32 3.OA.A.1

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

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

Section 1.5: Unit Review

Mixed practice with all multiplication concepts

Practice

NAME

DATE

SCORE

41 3.OA.A.1

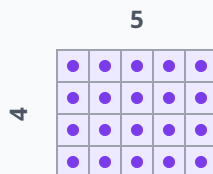Group 1   Group 2   Group 3
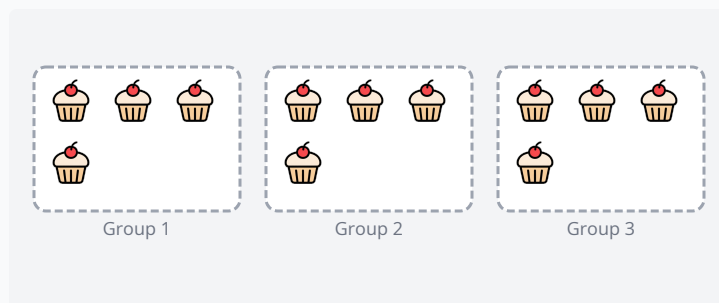
How many cupcakes are there? Write the multiplication equation.

Answer: _____

42 3.OA.B.5

5

4

Write two multiplication equations for this array.

Answer: _____

43 3.OA.A.1
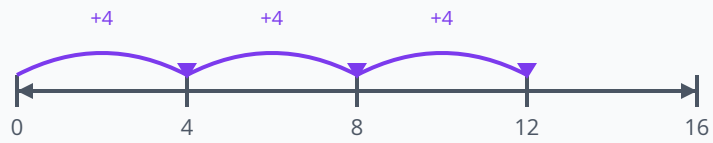
Write the multiplication equation shown on the number line.

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.	$3 \times 4 = 12$	**12.**	$2 \times 5 = 10$
13.	$4 \times 3 = 12$	**14.**	$5 \times 2 = 10$
15.	$3 \times 6 = 18$	**16.**	$4 \times 5 = 20$
17.	$2 \times 8 = 16$	**18.**	$6 \times 3 = 18$
19.	15	**20.**	16

Section 1.3: Repeated Addition

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

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 × 4 = 12

42. 4 × 5 = 20 and 5 × 4 = 20

43. 3 × 4 = 12

44. 30

45. Answers will vary

46. Both equal 12; repeated addition and multiplication

47. 7

48. 7