Repeated Addition

Adult Information: Children in year 2 learn about multiplication as repeated addition, for example, 4 x 2 is the same as 2 + 2 + 2 + 2, and division as repeated subtraction, e.g. 8 – 2 – 2 – 2 – 2 = 0 so 8 ÷ 2 = 4 They also learn about the relationship between multiplication and division and how each is the 'inverse' of the other. It may help to use objects like counters, beads or matchsticks and group or divide them according to the problem.

Repeated Addition

Write a division sentence for each of these multiplications.

4 x 2 = 8

6 x 2 = 12

5 x 3 = 15

9 x 5 = 45

2 x 10 = 20

3 x 5 =15

Write a multiplication sentence for each of these divisions.

6 ÷ 3 = 2

10 ÷ 5 = 2

60 ÷ 6 = 10

25 ÷ 5 = 5

16 ÷ 2 = 8

20 ÷ 5 = 4

Challenge: Choose one of the multiplication number sentences and write it as a repeated addition number sentence.

Repeated Addition - Answers

Write a division sentence for each of these multiplications.

4 x 2 = 8

8 ÷ 2 = 4 or 8 ÷ 4 = 2

6 x 2 = 12

12 ÷ 2 = 6 or 12 ÷ 6 = 2

5 x 3 = 15

15 ÷ 3 = 5 or 15 ÷ 5 = 3

9 x 5 = 45

45 ÷ 5 = 9 or 45 ÷ 9 = 5

2 x 10 = 20

20 ÷ 10 = 2 or 20 ÷ 2 = 10

3 x 5 =15

15 ÷ 5 = 3 or 15 ÷ 3 = 5

Write a multiplication sentence for each of these divisions.

6 ÷ 3 = 2

2 x 3 = 6 or 3 x 2 = 6

10 ÷ 5 = 2

2 x 5 = 10 or 5 x 2 = 10

60 ÷ 6 = 10

10 x 6 = 60 or 6 x 10 = 60

25 ÷ 5 = 5

5 x 5 = 25

16 ÷ 2 = 8

2 x 8 = 16 or 8 x 2 = 16

20 ÷ 5 = 4

5 x 4 = 20 or 4 x 5 = 20

Challenge: Choose one of the multiplication number sentences and write it as a repeated addition number sentence.

For example 3 x 5 = 15 as a repeated addition is 5 + 5 + 5 = 15

Repeated Addition and Subtraction

Write a multiplication sentence for each of these repeated additions.

3 + 3 + 3 + 3 = 12

2 + 2 + 2 = 6

5 + 5 = 10

10 +10 + 10 + 10 + 10 = 50

4 + 4 + 4 = 12

6 + 6 + 6 + 6 + 6 = 30

Write a division sentence for each of these repeated subtractions.

20 - 5 - 5 - 5 - 5 = 0

10 - 5 - 5 = 0

50 - 10 - 10 - 10 - 10 - 10 = 0

8 - 2 - 2 - 2 - 2 = 0

20 - 10 - 10 = 0

12 - 2 - 2 - 2 - 2 - 2 - 2 = 0

Repeated Addition and Subtraction Answers

Write a multiplication sentence for each of these repeated additions.

3 + 3 + 3 + 3 = 12

4 x 3 = 12

2 + 2 + 2 = 6

3 x 2 = 6

5 + 5 = 10

2 x 5 = 10

10 +10 + 10 + 10 + 10 = 50

5 x 10 = 50

4 + 4 + 4 = 12

3 x 4 = 12

6 + 6 + 6 + 6 + 6 = 30

5 x 6 = 30

Write a division sentence for each of these repeated subtractions.

20 - 5 - 5 - 5 - 5 = 0

20 ÷ 4 = 5

10 - 5 - 5 = 0

10 ÷ 2 = 5

50 - 10 - 10 - 10 - 10 - 10 = 0

50 ÷ 5 = 10

8 - 2 - 2 - 2 - 2 = 0

8 ÷ 4 = 2

20 - 10 - 10 = 0

20 ÷ 2 = 10

12 - 2 - 2 - 2 - 2 - 2 - 2 = 0

12 ÷ 6 = 2

Repeated Addition and Subtraction

Write a multiplication sentence for each repeated addition.

5 + 5 = 10

10 +10 + 10 + 10 + 10 = 50

4 + 4 + 4 = 12

6 + 6 + 6 + 6 + 6 = 30

Write a division sentence for each repeated subtraction.

50 - 10 - 10 - 10 - 10 - 10 = 0

8 - 2 - 2 - 2 - 2 = 0

20 - 10 - 10 = 0

12 - 2 - 2 - 2 - 2 - 2 - 2 = 0

Write these multiplications as repeated additions.

5 x 5 = 25

6 x 10 = 60

9 x 2 = 18

6 x 5 = 30

Write these divisions as repeated subtractions.

16 ÷ 2 = 8

40 ÷ 10 = 4

35 ÷ 5 = 7

10 ÷ 2 = 5

Repeated Addition and Subtraction Answers

Write a multiplication sentence for each repeated addition.

5 + 5 = 10

2 x 5 = 10

10 +10 + 10 + 10 + 10 = 50

5 x 10 = 50

4 + 4 + 4 = 12

3 x 4 = 12

6 + 6 + 6 + 6 + 6 = 30

5 x 6 = 30

Write a division sentence for each repeated subtraction.

50 - 10 - 10 - 10 - 10 - 10 = 0

50 ÷ 5 = 10

8 - 2 - 2 - 2 - 2 = 0

8 ÷ 4 = 2

20 - 10 - 10 = 0

20 ÷ 2 = 10

12 - 2 - 2 - 2 - 2 - 2 - 2 = 0

12 ÷ 6 = 2

Write these multiplications as repeated additions.

5 x 5 = 25

5 + 5 + 5 + 5 + 5 = 25

6 x 10 = 60

10 + 10 + 10 + 10 + 10 + 10 = 60

9 x 2 = 18

9 + 9 = 18

6 x 5 = 30

5 + 5 + 5 + 5 + 5 + 5 = 30

Write these divisions as repeated subtractions.

16 ÷ 2 = 8

16 - 8 - 8 = 0

40 ÷ 10 = 4

40 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 = 0

35 ÷ 5 = 7

35 - 7 - 7 - 7 - 7 - 7 = 0

10 ÷ 2 = 5

10 - 5 - 5 = 0