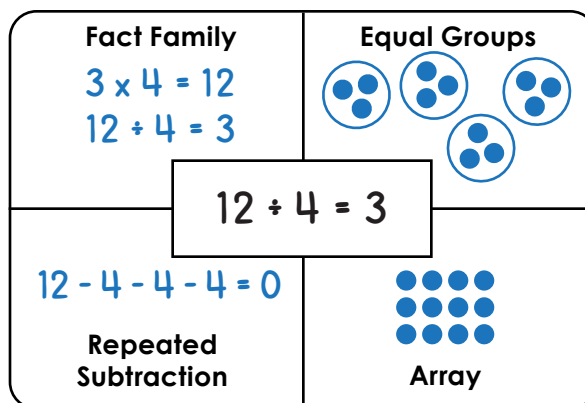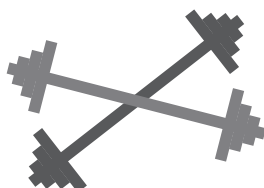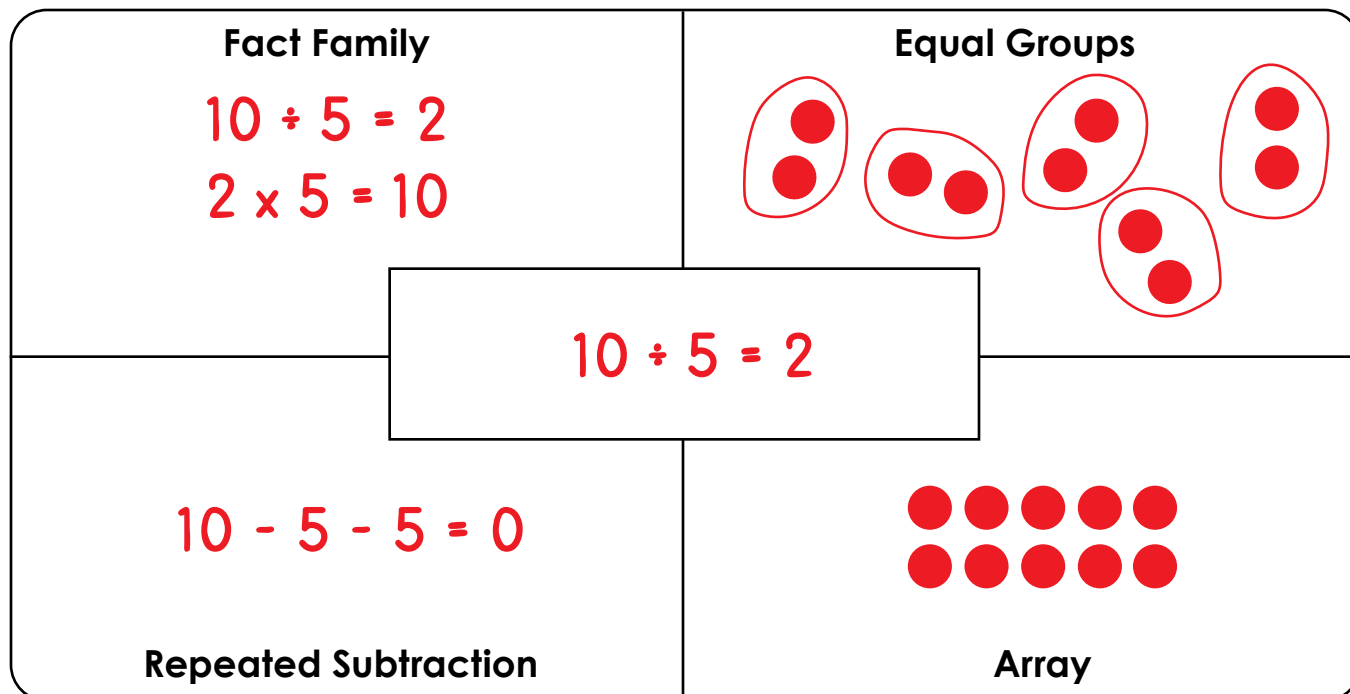# How Strong Are You?   Answers

Multiplication and division are related to each other. Fill in the chart to see the relationship, and solve each word problem.

Example:

Barry has a weightlifting tournament that lasts 12 hours. It consists of 4 different competitions that each last the same amount of time. How long is each competition?

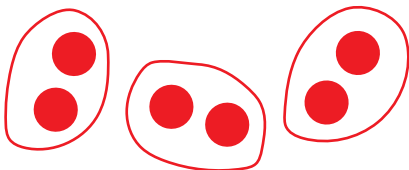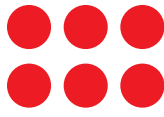| Fact Family $3 \times 4 = 12$ $12 \div 4 = 3$	Equal Groups
$12 \div 4 = 3$	
$12 - 4 - 4 - 4 = 0$ Repeated Subtraction	Array

1. Sophie has a weightlifting tournament that lasts 10 hours. It consists of 5 different competitions that each last the same amount of time. How long is each competition?

Fact Family $10 \div 5 = 2$ $2 \times 5 = 10$	Equal Groups
$10 \div 5 = 2$	
$10 - 5 - 5 = 0$ Repeated Subtraction	Array

How Strong Are You?   Answers

2. Kaylee has a weightlifting tournament that lasts 6 hours. It consists of 3 different competitions that each last the same amount of time. How long is each competition?
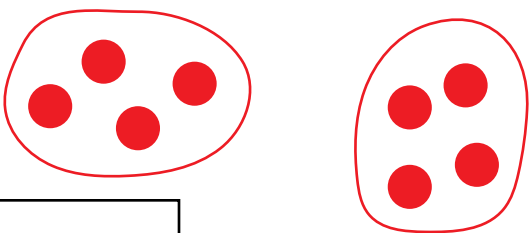
Fact Family	Equal Groups
$6 \div 3 = 2$ $2 \times 3 = 6$	

$$6 \div 3 = 2$$

Repeated Subtraction	Array
$6 - 3 - 3 = 0$	

3. Joey has a weightlifting tournament that lasts 8 hours. It consists of 2 different competitions that each last the same amount of time. How long is each competition?
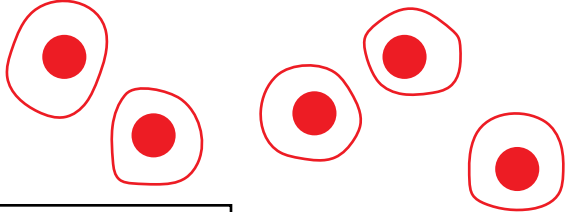
Fact Family	Equal Groups
$8 \div 2 = 4$ $2 \times 4 = 8$	

$$8 \div 2 = 4$$

Repeated Subtraction	Array
$8 - 2 - 2 - 2 - 2 = 0$	

How Strong Are You?   Answers

4. Samantha has a weightlifting tournament that lasts 5 hours. It consists of 5 different competitions that each last the same amount of time. How long is each competition?
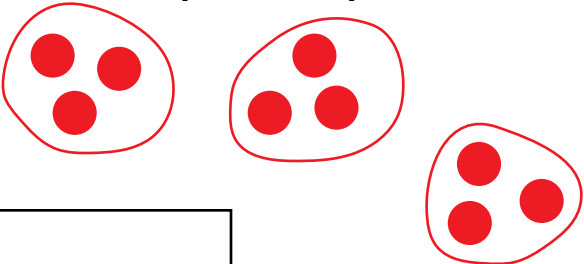
Fact Family	**Equal Groups**

$5 \div 5 = 1$
$5 \times 1 = 5$

$$5 \div 5 = 1$$

$5 - 5 = 0$

Repeated Subtraction	**Array**

5. Jason has a weightlifting tournament that lasts 9 hours. It consists of 3 different competitions that each last the same amount of time. How long is each competition?

Fact Family	**Equal Groups**

$9 \div 3 = 3$
$3 \times 3 = 9$

$$9 \div 3 = 3$$

$9 - 3 - 3 - 3 = 0$

Repeated Subtraction	**Array**