

Comparing with $\times$ and $\div$

$42 = 6 \times 7$ means 42 is 6 times as many as 7.

Write each equation as two comparison sentences.

Example $42 = 6 \times 7$ (either order)

42 is 6 times as many as 7

42 is 7 times as many as 6

1. $56 = 7 \times 8$

56 is _____ times as many as _____

56 is _____ times as many as _____

2. $36 = 4 \times 9$

36 is _____ times as many as _____

36 is _____ times as many as _____

3. $100 = 4 \times 25$

100 is _____ times as many as _____

100 is _____ times as many as _____

Write an equation for each sentence.

Example 54 is 9 times as many as 6.

$54 = 9 \times 6$

4. 28 is 4 times as many as 7.

5. 70 is 5 times as many as 14.

6. 150 is 3 times as many as 50.

Write the missing number.

7. _____ is 3 times as many as 8

8. 63 is _____ times as many as 9

9. 45 is 5 times as many as _____

10. _____ is 6 times as many as 11

11. 75 is _____ times as many as 25

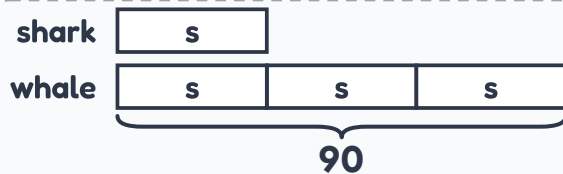
12. 200 is 4 times as many as _____

Comparing with $\times$ and $\div$

Find the smaller amount or the larger amount.

Draw a strip diagram. Write an equation with a letter. Solve.

Example A blue whale is **90** feet long. That is **3** times as long as a shark. How long is the shark?



Equation: $3 \times s = 90$ or $90 \div 3 = s$

Answer: $s = 30$ feet

1. Ava has **120** stamps. That is **5** times as many stamps as Ben has. How many stamps does Ben have?

Ben

Ava

Equation: _____

Answer: _____ stamps

2. A small farm has **245** hens. A big farm has **4** times as many hens. How many hens does the big farm have?

small

big

Equation: _____

Answer: _____ hens

3. A tower is **128** feet tall. That is **8** times as tall as a house. How tall is the house?

house

tower

Equation: _____

Answer: _____ feet

4. Tess read **36** pages on Monday. She read **4** times as many pages on Saturday. How many pages was that?

Mon

Sat

Equation: _____

Answer: _____ pages

5. A store sold **270** hats in June. That is **9** times as many as it sold in May. How many hats did it sell in May?

May

June

Equation: _____

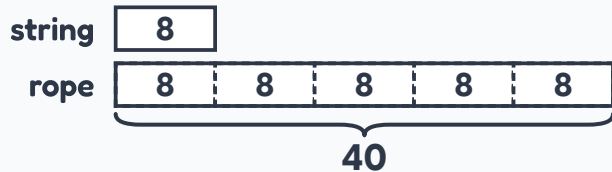
Answer: _____ hats

Comparing with $\times$ and $\div$

How many times as many? Divide to compare.

Draw a strip diagram. Write an equation with a letter. Solve.

Example A rope is **40** inches long. A string is **8** inches long. How many times as long is the rope?



Equation: $t \times 8 = 40$ or $40 \div 8 = t$

Answer: $t = 5$ times

1. Sam scored **60** points. Max scored **15** points. How many times as many points did Sam score?

Max

Sam

Equation: _____

Answer: _____ times

2. A pool holds **600** gallons. A tub holds **50** gallons. How many times as much does the pool hold?

tub

pool

Equation: _____

Answer: _____ times

3. An old oak is **120** feet tall. A young oak is **20** feet tall. How many times as tall is the old oak?

young

old

Equation: _____

Answer: _____ times

4. A train holds **350** people. A bus holds **50** people. How many times as many does the train hold?

bus

train

Equation: _____

Answer: _____ times

5. A cat sleeps **16** hours a day. A horse sleeps **2** hours a day. How many times as long does the cat sleep?

horse

cat

Equation: _____

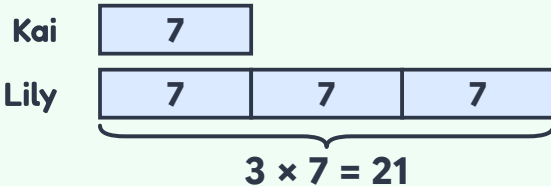
Answer: _____ times

Comparing with $\times$ and $\div$

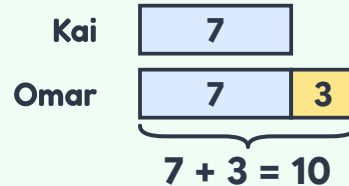
Times as many or how many more? Read carefully.

Example Times as many is not the same as more.

Lily has 3 times as many as Kai.



Omar has 3 more than Kai.



Circle the sign you use. Then solve.

1. Ana has 27 cards. That is 3 times as many as Ben has. How many cards does Ben have? $\times \div + -$ _____ cards

2. Ana has 27 cards. That is 3 more than Ben has. How many cards does Ben have? $\times \div + -$ _____ cards

3. Max has 40 stamps. Sam has 4 stamps. How many more stamps does Max have? $\times \div + -$ _____ stamps

4. Max has 40 stamps. Sam has 4 stamps. How many times as many stamps does Max have? $\times \div + -$ _____ times

5. A puppy weighs 11 pounds. A dog weighs 5 times as much. How much does the dog weigh? $\times \div + -$ _____ pounds

6. A puppy weighs 11 pounds. A cat weighs 5 pounds more. How much does the cat weigh? $\times \div + -$ _____ pounds

7. Ella has 200 beads. That is 5 more than Finn has. How many beads does Finn have? $\times \div + -$ _____ beads

8. Ella has 200 beads. That is 5 times as many as Finn has. How many beads does Finn have? $\times \div + -$ _____ beads

Comparing with $\times$ and $\div$

$42 = 6 \times 7$ means 42 is 6 times as many as 7.

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Write an equation for each sentence.

Example 54 is 9 times as many as 6.

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Write the missing number.

7. _____ is 3 times as many as 8

8. 63 is _____ times as many as 9

9. 45 is 5 times as many as _____

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11. 75 is _____ times as many as 25

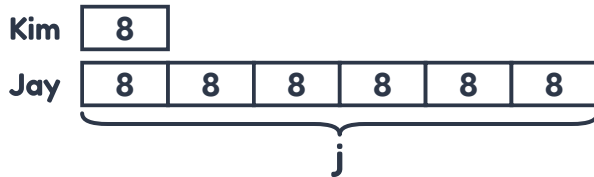
12. 200 is 4 times as many as _____

Comparing with $\times$ and $\div$

Read the strip diagram. Write an equation with a letter.

The letter stands for the number you do not know. Solve.

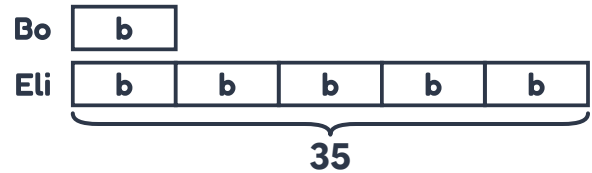
Example Kim has 8 shells. Jay has 6 times as many shells. How many shells does Jay have?



Equation: $j = 6 \times 8$

Answer: $j = 48$ shells

1. Eli ran 35 laps. That is 5 times as many laps as Bo ran. How many laps did Bo run?



Equation: _____

Answer: _____ laps

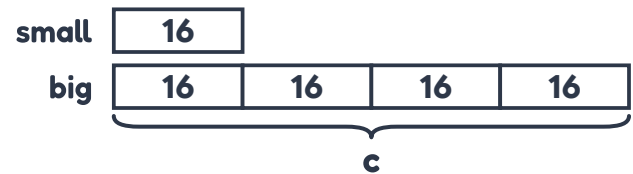
2. A tree is 30 feet tall. A bush is 5 feet tall. How many times as tall as the bush is the tree?



Equation: _____

Answer: _____ times

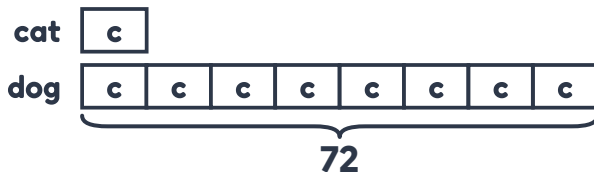
3. A small box holds 16 crayons. A big box holds 4 times as many. How many crayons does the big box hold?



Equation: _____

Answer: _____ crayons

4. A dog weighs 72 pounds. That is 8 times as much as a cat weighs. How much does the cat weigh?



Equation: _____

Answer: _____ pounds

5. Mia has \$48. Leo has \$12. How many times as much money as Leo does Mia have?



Equation: _____

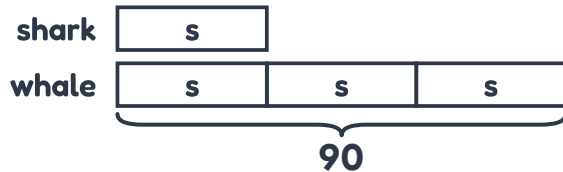
Answer: _____ times

Comparing with $\times$ and $\div$

Find the smaller amount or the larger amount.

Draw a strip diagram. Write an equation with a letter. Solve.

Example A blue whale is **90** feet long. That is **3** times as long as a shark. How long is the shark?



Equation: $3 \times s = 90$ or $90 \div 3 = s$

Answer: $s = 30$ feet

1. Ava has **120** stamps. That is **5** times as many stamps as Ben has. How many stamps does Ben have?

Ben

Ava

Equation: _____

Answer: _____ stamps

2. A small farm has **245** hens. A big farm has **4** times as many hens. How many hens does the big farm have?

small

big

Equation: _____

Answer: _____ hens

3. A tower is **128** feet tall. That is **8** times as tall as a house. How tall is the house?

house

tower

Equation: _____

Answer: _____ feet

4. Tess read **36** pages on Monday. She read **4** times as many pages on Saturday. How many pages was that?

Mon

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Equation: _____

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5. A store sold **270** hats in June. That is **9** times as many as it sold in May. How many hats did it sell in May?

May

June

Equation: _____

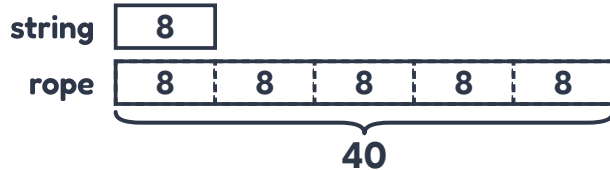
Answer: _____ hats

Comparing with $\times$ and $\div$

How many times as many? Divide to compare.

Draw a strip diagram. Write an equation with a letter. Solve.

Example A rope is **40** inches long. A string is **8** inches long. How many times as long is the rope?



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Answer: $t = 5$ times

1. Sam scored **60** points. Max scored **15** points. How many times as many points did Sam score?

Max

Sam

Equation: _____

Answer: _____ times

2. A pool holds **600** gallons. A tub holds **50** gallons. How many times as much does the pool hold?

tub

pool

Equation: _____

Answer: _____ times

3. An old oak is **120** feet tall. A young oak is **20** feet tall. How many times as tall is the old oak?

young

old

Equation: _____

Answer: _____ times

4. A train holds **350** people. A bus holds **50** people. How many times as many does the train hold?

bus

train

Equation: _____

Answer: _____ times

5. A cat sleeps **16** hours a day. A horse sleeps **2** hours a day. How many times as long does the cat sleep?

horse

cat

Equation: _____

Answer: _____ times

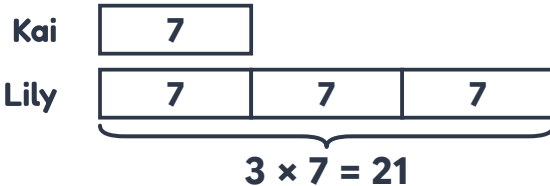
Comparing with $\times$ and $\div$

Times as many or how many more? Read carefully.

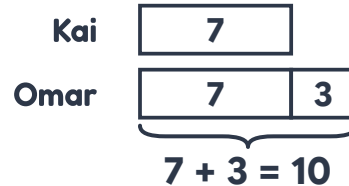
Example

Times as many is not the same as more.

Lily has 3 times as many as Kai.



Omar has 3 more than Kai.



Circle the sign you use. Then solve.

1. Ana has 27 cards. That is 3 times as many as Ben has. How many cards does Ben have? $\times \div + -$ _____ cards

2. Ana has 27 cards. That is 3 more than Ben has. How many cards does Ben have? $\times \div + -$ _____ cards

3. Max has 40 stamps. Sam has 4 stamps. How many more stamps does Max have? $\times \div + -$ _____ stamps

4. Max has 40 stamps. Sam has 4 stamps. How many times as many stamps does Max have? $\times \div + -$ _____ times

5. A puppy weighs 11 pounds. A dog weighs 5 times as much. How much does the dog weigh? $\times \div + -$ _____ pounds

6. A puppy weighs 11 pounds. A cat weighs 5 pounds more. How much does the cat weigh? $\times \div + -$ _____ pounds

7. Ella has 200 beads. That is 5 more than Finn has. How many beads does Finn have? $\times \div + -$ _____ beads

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1. $56 = 7 \times 8$ (either order)

56 is 7 times as many as 8

56 is 8 times as many as 7

2. $36 = 4 \times 9$ (either order)

36 is 4 times as many as 9

36 is 9 times as many as 4

3. $100 = 4 \times 25$ (either order)

100 is 4 times as many as 25

100 is 25 times as many as 4

Write an equation for each sentence.

Example 54 is 9 times as many as 6.

$$54 = 9 \times 6$$

4. 28 is 4 times as many as 7.

$$28 = 4 \times 7$$

5. 70 is 5 times as many as 14.

$$70 = 5 \times 14$$

6. 150 is 3 times as many as 50.

$$150 = 3 \times 50$$

Write the missing number.

7. 24 is 3 times as many as 8

8. 63 is 7 times as many as 9

9. 45 is 5 times as many as 9

10. 66 is 6 times as many as 11

11. 75 is 3 times as many as 25

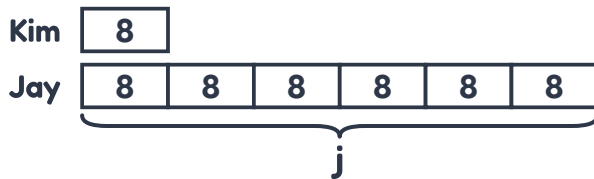
12. 200 is 4 times as many as 50

Comparing with $\times$ and $\div$

Read the strip diagram. Write an equation with a letter.

The letter stands for the number you do not know. Solve.

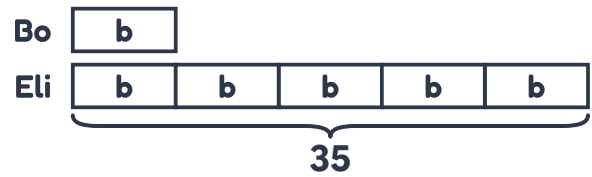
Example Kim has 8 shells. Jay has 6 times as many shells. How many shells does Jay have?



Equation: $j = 6 \times 8$

Answer: $j = 48$ shells

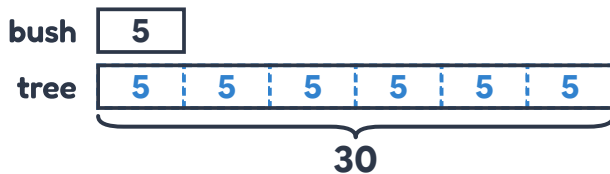
1. Eli ran 35 laps. That is 5 times as many laps as Bo ran. How many laps did Bo run?



Equation: $5 \times b = 35$ or $35 \div 5 = b$

Answer: $b = 7$ laps

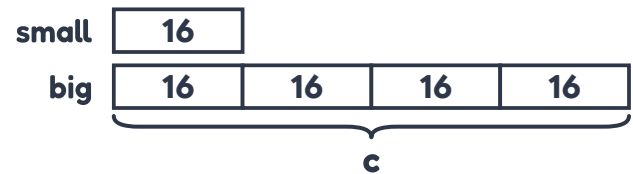
2. A tree is 30 feet tall. A bush is 5 feet tall. How many times as tall as the bush is the tree?



Equation: $t \times 5 = 30$ or $30 \div 5 = t$

Answer: $t = 6$ times

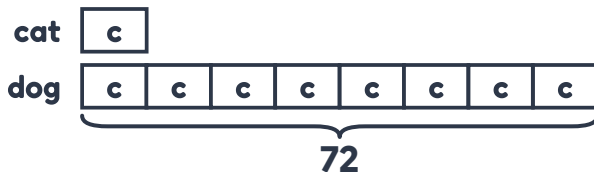
3. A small box holds 16 crayons. A big box holds 4 times as many. How many crayons does the big box hold?



Equation: $c = 4 \times 16$

Answer: $c = 64$ crayons

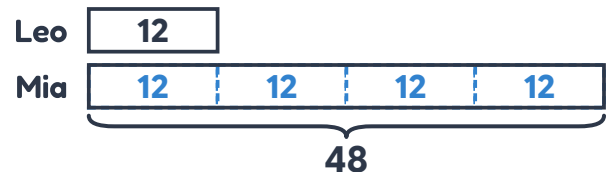
4. A dog weighs 72 pounds. That is 8 times as much as a cat weighs. How much does the cat weigh?



Equation: $8 \times c = 72$ or $72 \div 8 = c$

Answer: $c = 9$ pounds

5. Mia has \$48. Leo has \$12. How many times as much money as Leo does Mia have?



Equation: $t \times 12 = 48$ or $48 \div 12 = t$

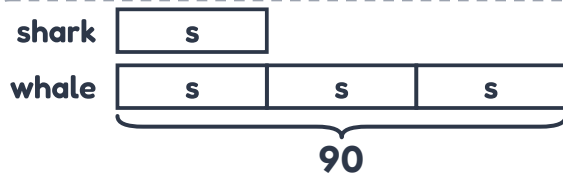
Answer: $t = 4$ times

Comparing with $\times$ and $\div$

Find the smaller amount or the larger amount.

Draw a strip diagram. Write an equation with a letter. Solve.

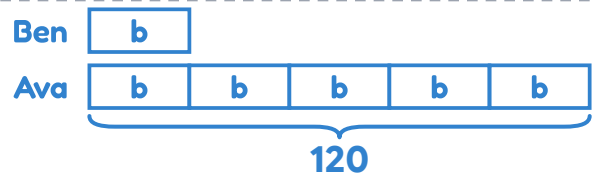
Example A blue whale is 90 feet long. That is 3 times as long as a shark. How long is the shark?



Equation: $3 \times s = 90$ or $90 \div 3 = s$

Answer: $s = 30$ feet

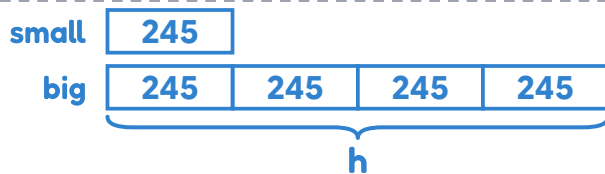
1. Ava has 120 stamps. That is 5 times as many stamps as Ben has. How many stamps does Ben have?



Equation: $5 \times b = 120$ or $120 \div 5 = b$

Answer: $b = 24$ stamps

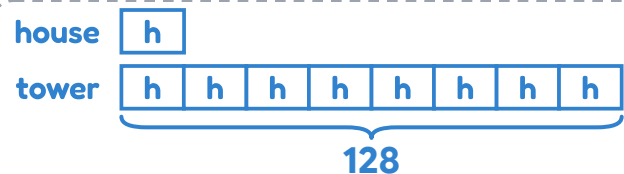
2. A small farm has 245 hens. A big farm has 4 times as many hens. How many hens does the big farm have?



Equation: $h = 4 \times 245$

Answer: $h = 980$ hens

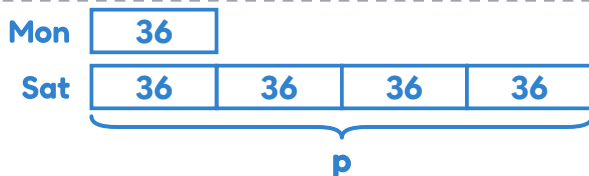
3. A tower is 128 feet tall. That is 8 times as tall as a house. How tall is the house?



Equation: $8 \times h = 128$ or $128 \div 8 = h$

Answer: $h = 16$ feet

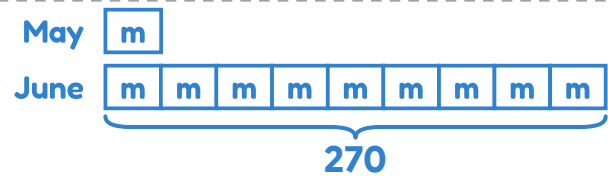
4. Tess read 36 pages on Monday. She read 4 times as many pages on Saturday. How many pages was that?



Equation: $p = 4 \times 36$

Answer: $p = 144$ pages

5. A store sold 270 hats in June. That is 9 times as many as it sold in May. How many hats did it sell in May?



Equation: $9 \times m = 270$ or $270 \div 9 = m$

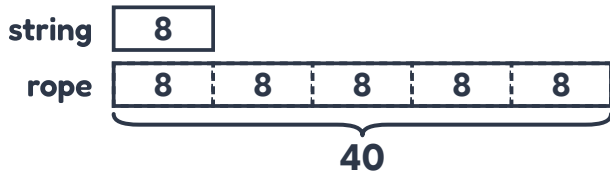
Answer: $m = 30$ hats

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How many times as many? Divide to compare.

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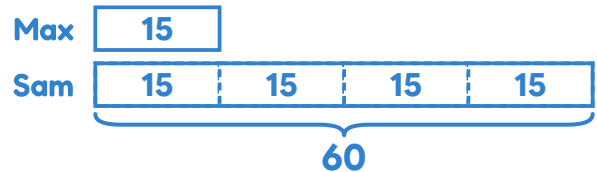
Example A rope is 40 inches long. A string is 8 inches long. How many times as long is the rope?



Equation: $t \times 8 = 40$ or $40 \div 8 = t$

Answer: $t = 5$ times

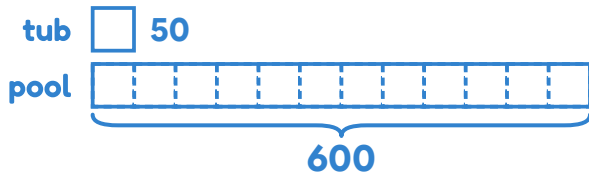
1. Sam scored 60 points. Max scored 15 points. How many times as many points did Sam score?



Equation: $t \times 15 = 60$ or $60 \div 15 = t$

Answer: $t = 4$ times

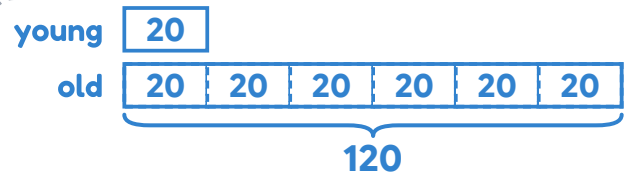
2. A pool holds 600 gallons. A tub holds 50 gallons. How many times as much does the pool hold?



Equation: $t \times 50 = 600$ or $600 \div 50 = t$

Answer: $t = 12$ times

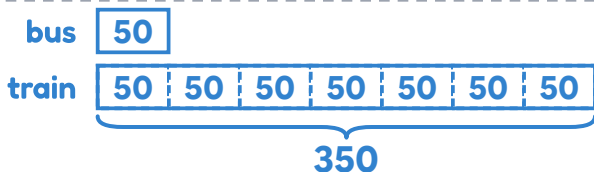
3. An old oak is 120 feet tall. A young oak is 20 feet tall. How many times as tall is the old oak?



Equation: $t \times 20 = 120$ or $120 \div 20 = t$

Answer: $t = 6$ times

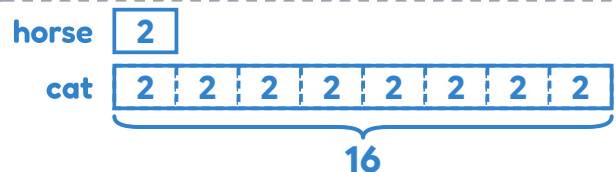
4. A train holds 350 people. A bus holds 50 people. How many times as many does the train hold?



Equation: $t \times 50 = 350$ or $350 \div 50 = t$

Answer: $t = 7$ times

5. A cat sleeps 16 hours a day. A horse sleeps 2 hours a day. How many times as long does the cat sleep?



Equation: $t \times 2 = 16$ or $16 \div 2 = t$

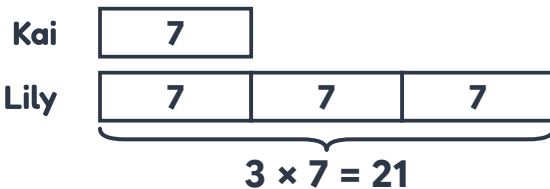
Answer: $t = 8$ times

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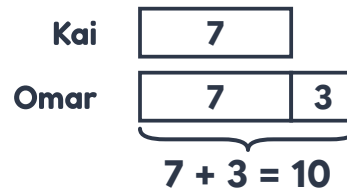
Times as many or how many more? Read carefully.

Example Times as many is not the same as more.

Lily has 3 times as many as Kai.



Omar has 3 more than Kai.



Circle the sign you use. Then solve.

1. Ana has 27 cards. That is 3 times as many as Ben has. How many cards does Ben have? $\times$ $\div$ $+$ $-$ 9 cards

2. Ana has 27 cards. That is 3 more than Ben has. How many cards does Ben have? $\times$ $\div$ $+$ $-$ 24 cards

3. Max has 40 stamps. Sam has 4 stamps. How many more stamps does Max have? $\times$ $\div$ $+$ $-$ 36 stamps

4. Max has 40 stamps. Sam has 4 stamps. How many times as many stamps does Max have? $\times$ $\div$ $+$ $-$ 10 times

5. A puppy weighs 11 pounds. A dog weighs 5 times as much. How much does the dog weigh? $\times$ $\div$ $+$ $-$ 55 pounds

6. A puppy weighs 11 pounds. A cat weighs 5 pounds more. How much does the cat weigh? $\times$ $\div$ $+$ $-$ 16 pounds

7. Ella has 200 beads. That is 5 more than Finn has. How many beads does Finn have? $\times$ $\div$ $+$ $-$ 195 beads

8. Ella has 200 beads. That is 5 times as many as Finn has. How many beads does Finn have? $\times$ $\div$ $+$ $-$ 40 beads