

Name: Class:

Comparison word problems: addition or multiplication?

1. Peter bought a jacket that costs \$35. He equally bought a pair of shoes that costs as three times as the jacket. If we were to find the cost of the pair of shoes, which mathematical operation can we use to solve this problem? write down the equation. (do not evaluate)
2. When zali went to the pet store yesterday, she counted a total of 25 puppies. When talking to her friend on the phone about it, she mentioned that there were 12 pure white puppies and the rest had different colours. If we were to find the number of puppies with different colours, which equation below can we use?

☐ $t \times 12 = 25$

☐ $t + 12 = 25$



3. Chris has 4 puzzles. Each puzzle has 25 pieces. Sarah, his sister has 2 puzzles but each of her puzzle has twice as many pieces as Chris. If we were to find the number of pieces in one of Sarah's puzzle, which equation below can use?

☐ $25 \times 2 = p$

☐ $25 + 2 = p$

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Comparison word problems: addition or multiplication?

1. Peter bought a jacket that costs \$35. He equally bought a pair of shoes that costs as three times as the jacket. If we were to find the cost of the pair of shoes, which mathematical operation can we use to solve this problem? write down the equation. (do not evaluate)

Let's start by writing down the information given.

cost of the jacket = \$35

Cost of the shoes = 3 times as much as the cost of the jacket

So, we should use multiplication here because the shoes cost 3 times as much not 3 more than

Therefore, the equation is $35 \times 3 = ?$

2. When zali went to the pet store yesterday, she counted a total of 25 puppies. When talking to her friend on the phone about it, she mentioned that there were 12 pure white puppies and the rest had different colours. If we were to find the number of puppies with different colours, which equation below can we use?

☐ $t \times 12 = 25$

☒ $t + 12 = 25$

Let's first of all write down the information given.

Total number of puppies = 25

Number of white puppies = 12

Now to find the number of puppies with mixed colours we need to use an equation with addition because if we add the numbers of mixed coloured puppies to white coloured puppies, we'll get a total of 25 puppies.

So, the equation we can use is $t + 12 = 25$.



3. Chris has 4 puzzles. Each puzzle has 25 pieces. Sarah, his sister has 2 puzzles but each of her puzzle has twice as many pieces as Chris. If we were to find the number of pieces in one of Sarah's puzzle, which equation below can use?

☐ $25 \times 2 = p$

☒ $25 + 2 = p$

Let's first of all write down the information given.

Chris' each puzzle has 25 pieces

Sarah's each puzzle has twice as many pieces as Chris'. You see that Sarah's one puzzle is 2 times as many as and not 2 more than.

So, we have to use an equation with multiplication. $25 \times 2 = P$