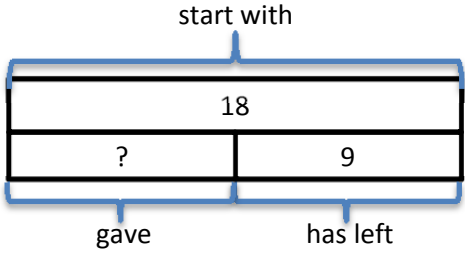
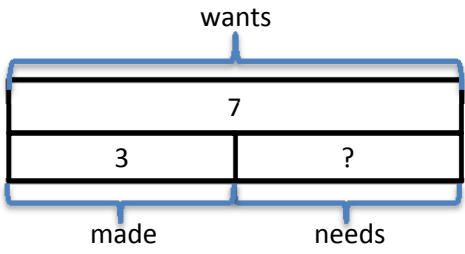
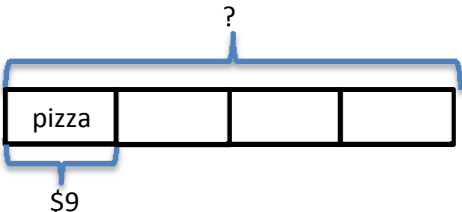
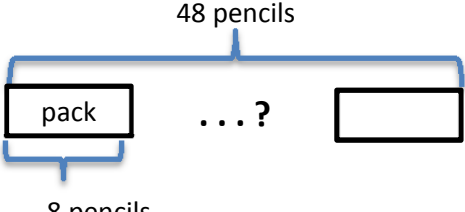
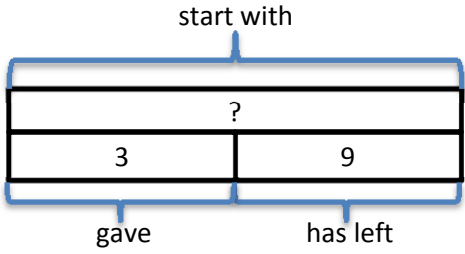


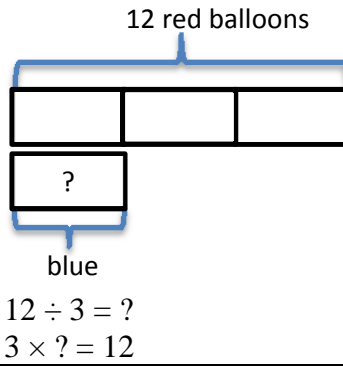
Bar diagram practice problems

1. Ethan had 18 Lego people. He gave some Lego people to Jeff. Now he has 9 Lego people left. How many Lego people did he give to Jeff?
2. Peter made 3 origami animals. How many more does he have to make to have 7 origami animals
3. A pizza costs \$9. How much do 4 pizzas cost?
4. A pack has 8 pencils in it. How many packs would I need to buy to have 48 pencils?
5. Donna had some bouncy balls. She gave 3 bouncy balls to Ethan. Now she has 9 left. How many bouncy balls did Donna have to begin with?
6. John has 3 times as many red balloons as blue balloons. He has 12 red balloons. How many blue balloons does he have?
7. Sandra's string has 4 times as many beads as Maude's string. Maude's string has 7 beads. How many beads does Sandra's string have?
8. A toy robot walks 35 inches in 5 seconds. How far does it walk in 1 second?
9. Blake has 17 small toy cars. He has 9 fewer large toy cars than small toy cars. How many large toy cars does he have?
10. Matthew has 6 crystal rocks. Mark has 10 crystal rocks. How many crystal rocks do they have altogether?

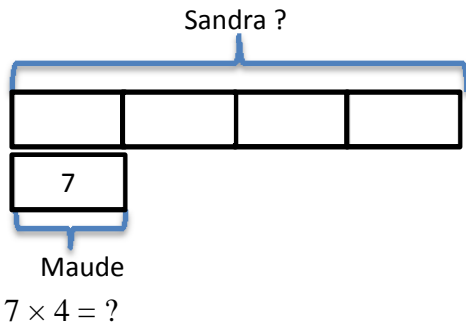
Solutions:

<p>1. Ethan had 18 Lego people. He gave some Lego people to Jeff. Now he has 9 Lego people left. How many Lego people did he give to Jeff?</p>	 <p> $18 - 9 = ?$ $9 + ? = 18$ </p>
<p>2. Peter made 3 origami animals. How many more does he have to make to have 7 origami animals</p>	 <p> $7 - 3 = ?$ $3 + ? = 7$ </p>
<p>3. A pizza costs \$9. How much do 4 pizzas cost?</p>	 <p> $4 \times 9 = ?$ </p>
<p>4. A pack has 8 pencils in it. How many packs would I need to buy to have 48 pencils?</p>	 <p> $48 \div 8 = ?$ $8 \times ? = 48$ </p>
<p>5. Donna had some bouncy balls. She gave 3 bouncy balls to Ethan. Now she has 9 left. How many bouncy balls did Donna have to begin with?</p>	 <p> $3 + 9 = ?$ (optional: $? - 3 = 9$) </p>

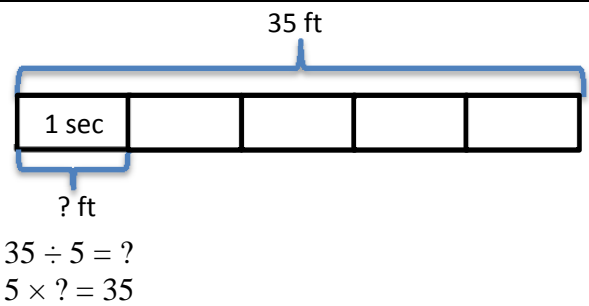
6. John has 3 times as many red balloons as blue balloons. He has 12 red balloons. How many blue balloons does he have?



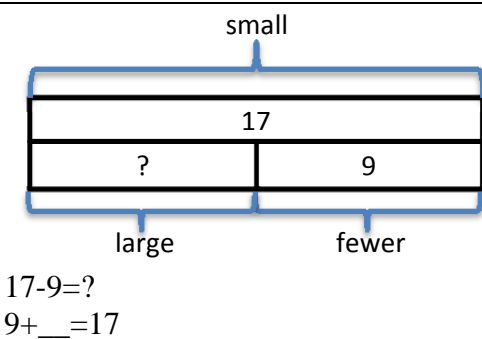
7. Sandra's string has 4 times as many beads as Maude's string. Maude's string has 7 beads. How many beads does Sandra's string have?



8. A toy robot walks 35 inches in 5 seconds. How far does it walk in 1 second?



9. Blake has 17 small toy cars. He has 9 fewer large toy cars than small toy cars. How many large toy cars does he have?



10. Matthew has 6 crystal rocks. Mark has 10 crystal rocks. How many crystal rocks do they have all together?

