Teamwork

I can use short division to solve problems.

The children of Dove Primary School have their sports day today. They are all really excited!

The teachers want to put them into teams. There are **79** children in the school.

Use short division to work out the answers to these problems.

1. How many teams will there be if they are sorted into teams of 3 children? _____
   Will there be any children left who are not in a team of 3? _____

2. What if they are sorted into teams of 4 children? _____
   Will there be any children left who are not in a team of 4? _____

3. What if they are sorted into teams of 6 children? _____
   Will there be any children left who are not in a team of 6? _____

4. What if they are sorted into teams of 8 children? _____
   Will there be any children left who are not in a team of 8? _____

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5. How many teams will there be if they are sorted into teams of 9 children? _____
   Will there be any children left who are not in a team of 9? _____

6. The teachers buy each child an ice cream to have after the races. The ice creams come in packs of 5. How many packs will they need to buy? _____

7. Each child needs a medal for taking part. Medals come in packs of 12. How many packs does Dove Primary School need? _____

8. If each bottle of squash makes 20 cups of orange juice and the school buys 3 bottles, will there be enough for all of the children to have a drink? _____

9. Can you make up some of your own word problems about your school sports day?

Answers

1. 79 ÷ 3 = **26 r 1**
2. 79 ÷ 4 = **19 r 3**
3. 79 ÷ 6 = **13 r 1**
4. 79 ÷ 8 = **9 r 7**
5. 79 ÷ 9 = **8 r 7**
6. 79 ÷ 5= 15 r 4 so they need to buy 16 packs.
7. 79 ÷ 12= 6 r 7 so they need to buy 7 packs.
8. No. They need 4 bottles.
9. Multiple answers possible.

Teamwork

I can use short division to solve problems.

The children of Dove Primary School have their sports day today. They are all really excited!

The teachers want to put them into teams. There are **362** children in the school.

Use short division to work out the answers to these problems.

1. How many teams will there be if they are sorted into teams of 3 children? _____
   Will there be any children left who are not in a team of 3? _____

2. What if they are sorted into teams of 4 children? _____
   Will there be any children left who are not in a team of 4? _____

3. What if they are sorted into teams of 6 children? _____
   Will there be any children left who are not in a team of 6? _____

4. What if they are sorted into teams of 8 children? _____
   Will there be any children left who are not in a team of 8? _____

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5. How many teams will there be if they are sorted into teams of 9 children? _____
   Will there be any children left who are not in a team of 9? _____

6. The teachers buy each child an ice cream to have after the races. The ice creams come in packs of 5. How many packs will they need to buy? _____

7. Each child needs a medal for taking part. Medals come in packs of 7. How many packs does Dove Primary School need? _____

8. If each bottle of squash makes 20 cups of orange juice and the school buys 18 bottles, will there be enough for all of the children to have a drink? _____

9. Can you make up some of your own word problems about your school sports day?

Answers

1. 362 ÷ 3 = **120 r2**
2. 362 ÷ 4 = **90 r2**
3. 362 ÷ 6 = **60 r2**
4. 362 ÷ 8 = **45 r2**
5. 362 ÷ 9 = **40 r2**
6. 73 packs
7. 52 packs
8. No. They need 19 bottles.
9. Multiple answers possible.

Teamwork

I can use short division to solve problems.

The children of Dove Primary School have their sports day today. They are all really excited!

The teachers want to put them into teams. There are **498** children in the school.

Use short division to work out the answers to these problems.

1. How many teams will there be if they are sorted into teams of 3 children? _____
   Will there be any children left who are not in a team of 3? _____

2. What if they are sorted into teams of 4 children? _____
   Will there be any children left who are not in a team of 4? _____

3. What if they are sorted into teams of 6 children? _____
   Will there be any children left who are not in a team of 6? _____

4. What if they are sorted into teams of 8 children? _____
   Will there be any children left who are not in a team of 8? _____

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5. How many teams will there be if they are sorted into teams of 12 children? _____
   Will there be any children left who are not in a team of 12? _____

6. The teachers buy each child an ice cream to have after the races. The ice creams come in packs of 5. How many packs will they need to buy? _____

7. Each child needs a medal for taking part. Medals come in packs of 11. How many packs does Dove Primary School need? _____

8. If each bottle of squash makes 20 cups of orange juice and the school buys 25 bottles, will there be enough for all of the children to have a drink? _____

9. Can you make up some of your own word problems about your school sports day?

Answers

1. 498 ÷ 3 = **166**
2. 498 ÷ 4 = **124 r 2**
3. 498 ÷ 6 = **83**
4. 498 ÷ 8 = **62 r 2**
5. 498 ÷ 12 = **41 r 6**
6. 100 packs
7. 46 packs
8. Yes
9. Multiple answers possible.