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2

2

I have 12p. I divide it equally between 2 friends. How much will they get each?

I have 12 in 2p coins. How many 2p coins do I have?

Consider the two questions above. What is the same and what is different?

Malachi and Rosie have some counters. Malachi shares his counters into 2 equal groups.

> He has 10 in each group. Rosie groups her counters in twos. She has 12 groups.

Who has more counters and by how many? How did you work it out? Zach has shared some grapes equally between two friends.



Each friend receives fewer than 10 grapes.

Complete the sentence to describe the number of grapes Zach started with.

He must have started with...

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Reasoning & Problem Solving

Divide by 2

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Answers

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I have 12p. I divide it equally between 2 friends. How much will they get each? I have 12 in 2p coins. How many 2p coins do I have? Consider the two questions above. What is the same and what is different? The calculation is the same in both. In the first question we are sharing, whereas in the second question we are grouping.

Malachi and Rosie have some counters. Malachi shares his counters into 2 equal groups. He has 10 in each group. Rosie groups her counters in twos. She has 12 groups. Who has more counters and by how many? How did you work it out?

Malachi has 20 counters. Rosie has 24 counters. Rosie has 4 more. Children could have compared 10 and 12 and realised they could calculate 2 x 2. Zach has shared some grapes equally between two friends.



Each friend receives fewer than 10 grapes.

Complete the sentence to describe the number of grapes Zach started with.

He must have started with...

Possible answer: He must have started with an even number of grapes.

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Divide by 2 🛛 🏹

Answers

Reasoning & Problem Solving

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Each friend receives fewer than 10 grapes.

Complete the sentence to describe the number of grapes Zach started with.

He must have started with...

Possible answer: He must have started with an even number of grapes.

2

2

I have 24p. I divide it equally between 2 friends. How much will they get each?

I have 24p in 2p coins. How many 2p coins do I have?

Consider the two questions above. What is the same and what is different?

Malachi and Rosie have some counters. Malachi shares his counters into 2 equal groups.

> He has 13 in each group. Rosie groups her counters in twos. She has 18 groups.

Who has more counters and by how many? How did you work it out? Zach has shared some grapes equally between two friends.



Each friend receives fewer than 40 grapes.

Complete the sentences to describe the number of grapes Zach started with.

He must have started with...

He could have started with...

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Divide by 2

I have 24p. I divide it equally between 2 friends. How much will they get each?

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Reasoning & Problem Solving



Each friend receives fewer than 40 grapes.

Complete the sentences to describe the number of grapes Zach started with.

He must have started with...

He could have started with...

Answers

2

I have 24p. I divide it equally between 2 friends. How much will they get each? I have 24p in 2p coins. How many 2p coins do I have? Consider the two questions above. What is the same and what is different? The calculation is the same in both. In the first question we are sharing, whereas in the second question we are grouping.

Malachi and Rosie have some counters. Malachi shares his counters into 2 equal groups. He has 13 in each group. Rosie groups her counters in twos. She has 18 groups. Who has more counters and by how many? How did you work it out?

Malachi has 26 counters. Rosie has 36 counters. Rosie has 10 more. Children could have compared 13 and 18 and realised they could calculate 2 x 5. Zach has shared some grapes equally between two friends.



Each friend receives fewer than 40 grapes.

Complete the sentences to describe the number of grapes Zach started with.

He must have started with...

He could have started with...

Possible answer:

He must have started with an even number of grapes. He could have started with 10 grapes.

Divide by 2

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Reasoning & Problem Solving

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Each friend receives fewer than 40 grapes.

Complete the sentences to describe the number of grapes Zach started with.

He must have started with...

He could have started with...

Possible answer: He must have started with an even number of grapes. He could have started with 10 grapes.

2

I have 32p. I divide it equally between 2 friends. How much will they get each?

I have 32p in 2p coins. How many 2p coins do I have?

Consider the two questions above. What is the same and what is different?

Malachi and Rosie have some counters. Malachi shares his counters into 2 equal groups.

> He has 23 in each group. Rosie groups her counters in twos. She has 37 groups.

Who has more counters and by how many? How did you work it out? Zach has shared some grapes equally between two friends.



Each friend receives fewer than 85 grapes.

Complete the sentences to describe the number of grapes Zach started with.

He must have started with...

He could have started with...

He can't have started with...

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Reasoning & Problem Solving

2

Divide by 2

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She has 37 groups. Who has more counters and by how many? How did you work it out? Zach has shared some grapes equally between two friends.



Each friend receives fewer than 85 grapes.

Complete the sentences to describe the number of grapes Zach started with.

He must have started with...

He could have started with...

He can't have started with...

Answers

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I have 32p. I divide it equally between 2 friends. How much will they get each? I have 32p in 2p coins. How many 2p coins do I have? Consider the two questions above. What is the same and what is different? The calculation is the same in both. In the first question we are sharing, whereas in the second question we are grouping.

Malachi and Rosie have some counters. Malachi shares his counters into 2 equal groups. He has 23 in each group. Rosie groups her counters in twos. She has 37 groups. Who has more counters and by how many? How did you work it out?

Malachi has 46 counters. Rosie has 74 counters. Rosie has 28 more. Children could have compared 23 and 37 and realised they could calculate 2 x 14. Zach has shared some grapes equally between two friends.



Each friend receives fewer than 85 grapes.

Complete the sentences to describe the number of grapes Zach started with.

He must have started with...

He could have started with...

He can't have started with...

Possible answer:

He must have started with an even number of grapes. He could have started with 25 grapes. He can't have started with 200 grapes.

Divide by 2

Answers

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Reasoning & Problem Solving

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