

Addition and Subtraction Problems Crossing 10

Adult Guidance with Question Prompts



Children build fluency adding and subtracting across ten by solving problems. They read the challenge and spot the useful information. Children select which strategy they will use to solve the challenge. Representations of tens and ones can be used to support their learning.

Let's read the question together.

Can you spot any clues that tell you what to do?

Will you need to add or subtract to solve the problem?

How do you know?

Which strategy will you use?

Can you show me?

Which number will you start with?

What will you do next?

How do you know if your answer is correct?

Can you find a different way to check?

Repeat for each challenge.

Can you make up a challenge for your friend to solve?

Try to solve it first so that you know the challenge works.



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Addition and Subtraction Problems Crossing 10



Help the pirates solve the problems.

Go 28 steps forward then 13 steps right.



How many steps lead to the treasure?



I had 52 coins. I spent 16 on a new hat.

How many coins do I still have?



17 gems



15 gems



How many gems have I got altogether?



There were 54 coins in the bag, but 25 fell out.

How many are left?



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Children build fluency adding and subtracting across ten by solving problems. They demonstrate their reasoning skills by identifying the correct statements. Children select and apply strategies to demonstrate how they reached their decision and provide evidence to support it. If a statement is incorrect, children are asked to consider how the error was made and what could be done to correct it.

Can you help them find the correct solutions?

Correct their errors so they know what to do next time?

What does the challenge tell us?

Can you spot any clues that tell you what to do?

Will you need to add or subtract to solve the problem?

How do you know?

What do you think Redbeard and Jade did?

Who is correct?

How do you know?

Which strategy will you use to check?

How do you know if your answer is correct?

Is there another way to solve this challenge?

Repeat for each problem.

Can you make up a challenge for your friend to solve?

Try to solve it first so that you know the challenge works.



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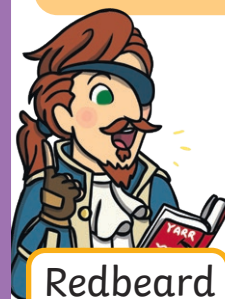


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Who is correct? Can you prove it?

Go 46 steps forward then 25 steps right.



Redbeard

I'll take 61 steps to find the treasure!



Jade

You won't find it there.



Jade

We have a total of 92 gems.

I think we have 2 more than that.



Redbeard



58 gems



36 gems

There were 62 coins in the bag, but 25 fell out. How many are left?



Redbeard

Oh no! We only have 25 coins.



Jade

No! We have 87 coins.

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Children build fluency adding and subtracting across ten by solving problems. They demonstrate their problem-solving skills by finding all possible solutions to a challenge. Children select strategies and work systematically to ensure that all the viable options have been considered.

How far do they need to carry the heavy treasure chest?

Would Redbeard's plan work?

How do you know?

What would Jade prefer to do?

How many solutions can you find?

What can you do to make sure that you have found them all?

What do you know about the gems?

What do you need to find out?

What can you do to find the answer?

Is there more than one solution?

Can you prove it?

What can you tell me about the coins?

Can you spot any clues that tell you what to do?

Which strategy will you use?

Could nine coins be in the bag?

Can you explain why?

How many possible answers can you find?

Are you sure that you have found them all?

How do you know?

Can you make up a challenge for your friend to solve?

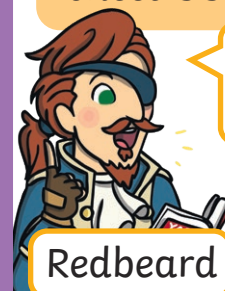
Try to solve it first so that you know the challenge works.

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How many possibilities can you find for each problem?

We need to carry the heavy treasure chest 33 steps to the ship.



We can walk 17 steps, rest, then walk another 16 steps.

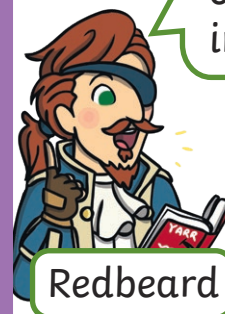
Can we walk further before we have a rest?



We have 42 gems, but we don't know how many are in each box.



I remember putting more than 20 gems in each box.



There were 41 coins in the bag, but more than 25 fell out. How many coins are in the bag?



It feels like there are more than 10 coins still in the bag.

