

Homework

Due Friday 18th July

Division

1. **Understanding:** For a birthday party, there are 18 balloons. If you want to share them equally among 3 children, how many balloons will each child get? Show your working.
2. **Fluency:** Solve the following division: $36 \div 4$. Write down how you solved it.
3. **Reasoning:** A box contains 24 chocolates. If you divide these chocolates into 6 equal packets, how many chocolates will be in each packet? Explain your answer.
4. **Problem-Solving:** Sarah has 20 pencils. She wants to put them into packets of 4 pencils each. How many packets will she have? Show the calculation you used.

Division

1. **Understanding:** A farmer has 54 apples and wants to pack them into boxes of 6 apples each. How many boxes can he fill? Explain your reasoning.
2. **Fluency:** Calculate the result of $48 \div 3$. Write down the steps you took to find your answer.
3. **Reasoning:** If you have 45 stickers and you share them equally among 5 friends, how many stickers does each friend get? Provide a clear explanation for your calculation.
4. **Problem-Solving:** There are 72 books in a library. If each shelf can hold 8 books, how many shelves are needed to hold all the books? Show your working.

Subtraction

1. **Understanding:** A recipe requires 96 grams of flour. If you want to make 4 equal batches, how much flour do you need for one batch? Show your working using division.
2. **Fluency:** Divide 132 by 6. Write down the division and any additional steps you took to confirm your answer.
3. **Reasoning:** A class of 30 students needs to be split into groups for a project. If each group can have 6 students, how many groups can they form? Justify your answer.
4. **Problem-Solving:** In a classroom, there are 98 pencils. If each student receives 7 pencils, how many students are in the classroom? Explain how you calculated your answer.

Reading comprehension

Artificial Intelligence, or AI, is becoming part of our daily lives. It is used in many ways, from helping us search for information online to powering smart devices in our homes. For example, voice assistants like Siri and Alexa use AI to understand our questions and provide us with answers. Recently, scientists have developed AI that can even create art and music. This technology is exciting but also raises important questions about how it might change jobs in the future. Many people think it will make our lives easier, while others worry that it could take away work from humans.

Reading comprehension questions

1. How is AI used in our homes compared to how it is used online?
2. What are two different opinions people have about the impact of AI on future jobs?
3. In what ways do voice assistants like Siri and Alexa resemble the abilities of humans?
4. How do the benefits of AI mentioned in the text compare with the concerns about its impact on work?