Back to School Maths
Word Problems Level 3

Instructions

Read each question carefully and find the relevant mathematical information. **Write the question and answer as a maths equation to show your understanding.**

Example: If I had ten lollies and I shared them between two friends, how many lollies would they get each?

As a maths equation and answer, it would be written as $10 \div 2 = 5$

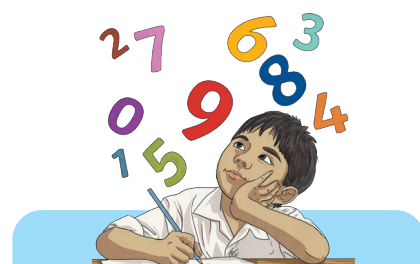Useful mathematical symbols to use in your answers include:

$$+ \quad - \quad x \quad \div \quad < \quad = \quad >$$

1. The score during the start of school hockey game between teachers and students was a draw, with the teacher's team scoring 8 points in the first half and 4 in the second half. The students scored 6 points in the first half and 6 in the second half.

   Can you write a **maths equation** to describe the draw stated above?

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2. In the teacher's maths corner of the classroom, there are 6 baskets of math challenges with 7 activities in each row. How many maths activities are there altogether?

   Can you solve this problem and **write it as a mathematical equation?**

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3. In preparation for the back to school shopping rush in January, the stationery store produced 1850 books in November and they produced 2400 school books in December.

   Can you **record this information using symbols and numbers** to show which month was more productive with the number of school books made?

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4. Jo was busy making back to school gift bags for her friends. She was filling 9 bags. She put 8 items in each bag. How many items were needed altogether?
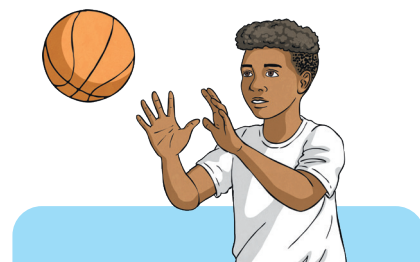
   Can you **record this information using numbers and symbols** instead of words?

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5. My brother and I checked our holiday job savings at the end of the holidays. I had saved $175 and my brother had saved $150. He saved less than me.

   Can you **record this information using numbers and symbols** to show which amount is less?

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6. The teacher was double–checking he had enough sports gear to divide between the classes at the start of the year. He counted the basketballs and found that he had 42. He knew that they needed sharing between 7 different senior classes. How many basketballs would the teacher be able to give to each class?

   Can you **record the above information as a maths equation?**

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7. In checking the stationery packs, the office manager found that she had ordered too many glue sticks and decided to put some away for next year. She had ordered 750 but only needed 450. How many did she put away for next year?

Can you **record the above information as a maths equation?**

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8. At school, the students were selling raffle tickets as a fundraiser for their term 1 camp. They made $250 in total, raising an average of $50 per day. How many days did it take them to make that much money?

Can you solve this problem and **write it as a mathematical equation?**

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9. The classroom teacher had set aside $120 for a new set of class scissors. She found some on special at a well-known NZ department store for only $95.
How much money did she have left?

Can you solve this problem and **write it as a mathematical equation?**

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10. To stop an argument between two teachers, the principal calculated that both teachers had been given the same number of devices for their classrooms. Room 1 had been allocated 17 tablets, 7 laptops and 11 desktop computers. Room 2 had been allocated 20 laptops, 8 desktop computers and 7 tablets.

Can you **write the equation that shows that the number of devices in each classroom was the same?**

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Back to School Maths
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1. $8 + 4 = 6 + 6$

2. $6 \times 7 = 42$

3. $2400 > 1850$

4. $9 \times 8 = 72$

5. $\$150 < \$175$

6. $42 \div 7 = 6$

7. $750 - 450 = 300$

8. $\$250 \div \$50 = 5$ or $5 \times \$50 = \$250$

9. $\$120 - \$95 = \$25$

10. $17 + 7 + 11 = 20 + 8 + 7$