Remember Your RUCSAC

I can solve word problems.

Remember to check your work carefully using the RUCSAC checklist.

	Word Problem	Number Sentence
1	The coach split the class of 24 children into 4 equal teams. How many children were in each team?	
2	How many legs would 5 spiders have altogether?	
3	I have 56 sweets to share between 8 children. How many sweets will each child get?	
4	There are 3 fields. Each field contains 8 cows. How many cows are there in total?	
5	The teacher has 7 tables in her classroom with 4 children on each table. How many children are in her class?	
6	I buy 3 glow sticks for £1.50. How much does each one cost?	

Now write your own word problems to go with these number sentences:

7. *5 x 4 = 20*

8. *6 x 3 = 18*

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	Word Problem	Number Sentence
1	How many legs would 6 spiders have altogether?	
2	The coach splits the group of 24 children into 8 equal teams. Each team needs a football between 3 children. How many footballs does each team need?	
3	How many 30p chews can I buy for £1.20? Will I have any money left over?	
4	I buy cartons of apple juice in packs of 4. There are 42 guests coming to my party. How many packs do I need to buy? Will there be any left over?	
5	Carolyn and Mike own a cattery. There are currently 4 cats staying with them. If each cat eats 3 bowls of food a day. How much food will they need to last 3 days?	
6	Lucy sells hair ribbons in 30cm lengths. How many ribbons can she make from a 1m roll of ribbon? Will there be any ribbon left over?	
7	How many legs would 13 dogs have altogether?	
8	There are 36 children in my class. I'd like to take some lollipops in for them because it is my birthday. If lollipops come in packs of 4, how many packs will I need to buy?	
9	How many 300ml glasses of lemonade will I get out of a 1000ml bottle?	
10	If share my 24 stickers fairly with my 3 friends, how many will we get each?	

Choose 1 fact from each of the 3s, 4s and 8s multiplication tables and write a word problem to go with each one. Try to make your problem as interesting as you can.

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	Word Problem	Number Sentence
1	How many legs would 14 spiders have altogether?	
2	The coach splits the group of 72 children into 8 equal teams. Each team needs a football between 3 children. How many footballs does each team need?	
3	How many 30p chews can I buy for £2.00? Will I have any money left over?	
4	I buy cartons of apple juice in packs of 8. There are 42 guests coming to my party. How many packs do I need to buy? Will there be any left over?	
5	Carolyn and Mike own a cattery. There are currently 8 cats staying with them. If each cat eats 3 bowls of food a day, how much food will they need to last 3 days?	
6	Lucy sells hair ribbons in 30cm lengths. How many ribbons can she make from a 1m roll of ribbon? Will there be any ribbon left over?	
7	How many legs would 15 dogs have altogether?	
8	There are 32 children in my class. I'd like to take some lollipops in for them because it is my birthday. If lollipops come in packs of 3, how many packs will I need to buy? Will there be enough left over to give my brother one too?	
9	How many 300ml glasses of lemonade will I get out of a litre bottle?	
10	If share my 36 stickers fairly with my 3 friends. How many will we get each?	

Choose 1 fact from each of the 3s, 4s and 8s multiplication tables and write a word problem to go with each one. Try to make your problem as interesting as you can.

Remember Your RUCSAC Answers

Remember to check your work carefully using the RUCSAC checklist.

	Word Problem	Number Sentence
1	The coach split the class of 24 children into 4 equal teams. How many children were in each team?	24 ÷ 4 = **6**
2	How many legs would 5 spiders have altogether?	5 x 8 = **40**
3	I have 56 sweets to share between 8 children. How many sweets will each child get?	56 ÷ 8 = **7**
4	There are 3 fields. Each field contains 8 cows. How many cows are there in total?	3 x 8 = **24**
5	The teacher has 7 tables in her classroom with 4 children on each table. How many children are in her class?	7 x 4 = **28**
6	I buy 3 glow sticks for £1.50. How much does each one cost?	150p ÷ 3 = **50p**

Now write your own word problems to go with these number sentences:

7. *5 x 4 = 20*   **Multiple answers possible.**

8. *6 x 3 = 18*   **Multiple answers possible.**

Remember Your RUCSAC Answers

	Word Problem	Number Sentence
1	How many legs would 6 spiders have altogether?	6 x 8 = **48**
2	The coach splits the group of 24 children into 8 equal teams. Each team needs a football between 3 children. How many footballs does each team need?	24 ÷ 8 = 3. **1 football per team.**
3	How many 30p chews can I buy for £1.20? Will I have any money left over?	120p ÷ 30p = **40p**
4	I buy cartons of apple juice in packs of 4. There are 42 guests coming to my party. How many packs do I need to buy? Will there be any left over?	You need to **buy 11 packs** and you will have **2 cartons left over.**
5	Carolyn and Mike own a cattery. There are currently 4 cats staying with them. If each cat eats 3 bowls of food a day. How much food will they need to last 3 days?	4 x 3 = 12. 12 x 3 = **36 bowls** to last 3 days
6	Lucy sells hair ribbons in 30cm lengths. How many ribbons can she make from a 1m roll of ribbon? Will there be any ribbon left over?	100cm ÷ 30cm = 3. 100cm - 90cm = 10cm. There will be **10cm left over**
7	How many legs would 13 dogs have altogether?	13 x 4 = **52**
8	There are 36 children in my class. I'd like to take some lollipops in for them because it is my birthday. If lollipops come in packs of 4, how many packs will I need to buy?	36 ÷ 4 = **9**
9	How many 300ml glasses of lemonade will I get out of a 1000ml bottle?	300ml x 3 = 900ml or 1000ml ÷ 300ml = 3. **3 glasses**
10	If share my 24 stickers fairly with my 3 friends, how many will we get each?	24 ÷ 4 = **6**

Choose 1 fact from each of the 3s, 4s and 8s multiplication tables and write a word problem to go with each one. Try to make your problem as interesting as you can.

Multiple answers possible.

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Remember Your RUCSAC Answers

	Word Problem	Number Sentence
1	How many legs would 14 spiders have altogether?	12 x 8 = 96, 2x8=16, 96 + 16 = **112 legs**
2	The coach splits the group of 72 children into 8 equal teams. Each team needs a football between 3 children. How many footballs does each team need?	Each team needs **3 footballs.**
3	How many 30p chews can I buy for £2.00? Will I have any money left over?	30p x 6=180p. **20p left over.**
4	I buy cartons of apple juice in packs of 8. There are 42 guests coming to my party. How many packs do I need to buy? Will there be any left over?	You need to **buy 6 packs** and you will have **6 cartons left over.**
5	Carolyn and Mike own a cattery. There are currently 8 cats staying with them. If each cat eats 3 bowls of food a day, how much food will they need to last 3 days?	**72 bowls**
6	Lucy sells hair ribbons in 30cm lengths. How many ribbons can she make from a 1m roll of ribbon? Will there be any ribbon left over?	There would be **10 cm** left over.
7	How many legs would 15 dogs have altogether?	15 x 4 = **60**
8	There are 32 children in my class. I'd like to take some lollipops in for them because it is my birthday. If lollipops come in packs of 3, how many packs will I need to buy? Will there be enough left over to give my brother one too?	You would need to buy **11 packs** and, **yes, there would be 1 left over to give to your brother.**
9	How many 300ml glasses of lemonade will I get out of a litre bottle?	3x300ml = 900ml. You would get **3 glasses.**
10	If share my 36 stickers fairly with my 3 friends. How many will we get each?	36 ÷ 4 = **9**

Choose 1 fact from each of the 3s, 4s and 8s multiplication tables and write a word problem to go with each one. Try to make your problem as interesting as you can.

Multiple answers possible.