Week 11, Day 2

Solve word problems with mental multiplication or division.

Each day covers one maths topic. It should take you about 1 hour or just a little more.

 Start by reading through the Learning Reminders. They come from our PowerPoint slides.

- Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.
- 3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

 Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the Investigation...







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Solve word problems needing mental multiplication or division.

We can use our RUCSAC to help solve word problems!



Read the problem. Understand what you need to do. Calculation: Which operation do you need? Solve the calculation. Answer the problem. Check - does the answer seem reasonable?

Learning Reminders



Learning Reminders

Solve word problems needing mental multiplication or division.

A coach party of 46 people has come to the tea shop. They all want cream teas. Scones come in packs of 4. How many packs are needed?

We need to divide 46 by 4 to find how many packs are needed. 46 ÷ 4 = 11 r 2 or 11½. But what is the answer to the problem?

Scones come in packs of 4 so we need to use 12 packs.

Practice Sheet Mild Multiplication and division word problems

1.	A tea shop has 23 boxes of herbal tea. They come in boxes of 20 tea bags. How many tea bags do they have?	T	A family of 6 go out for a birthday meal. he bill comes to £63. How much does he meal cost per person?
2.	The tea shop has $10\frac{1}{2}$ cakes left. If each cake is cut into 8 slices how many slices is this?	c	A bus route is 17 miles. If the driver drives it 20 times in a day, how many miles is that?
3.	16 children in Year 5 have each brought 20p to buy a snack at break time. How much money have they brought in altogether?	b	A school has 147 children equally split etween 7 classes. How many children re in each class?
4.	How many weeks is 91 days?	ti	A top distance runner takes an average me of 5 minutes to run a mile. How ong will it take to run 14 miles?

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Practice Sheet Hot Multiplication and division word problems

 A tea shop has 59 box They come in boxes of many tea bags do the 	20 tea bags. How	٦	A family of 6 go out for a birthday meal. The bill comes to £81. How much does the meal cost per person?
2. The tea shop has $11\frac{1}{4}$ cake is cut into 8 slices is this?	cakes left. If each		A bus route is 32 miles. If the driver drives it 19 times in a day, how many miles is that?
 37 children in Year 5 h 20p to buy a snack at much money have the altogether? 	break time. How		A school has 203 children equally split between 7 classes. How many children are in each class?
4. How many weeks is 2.			A top distance runner takes an average time of 5 minutes to run a mile. How long will it take to run 27 miles?

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Practice Sheets Answers

Multiplication and division word problems (mild)

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1.	23 × 20 = <mark>460</mark>	The tea shop has <mark>460</mark> tea bags.
2.	$10\frac{1}{2} \times 8 = 84$	The tea shop has <mark>84</mark> slices of cake.
3.	16 × 20p = 320p or £3.20	The children have brought in $£3.20$ altogether.
4.	91 ÷ 7 = <mark>13</mark>	91 days is <mark>13</mark> weeks.
5.	£63 ÷ 6 = <mark>£10.50</mark>	The meal cost £10.50 per person.
6.	17 × 20 = 340	The driver drives 340 miles in a day.
7.	147 ÷ 7 = <mark>21</mark>	There are 21 children in each class.
8.	14 × 5min = <mark>70min</mark>	It will take the runner 1 hour and 10 minutes.

Multiplication and division word problems (hot)

1.	59 × 20 = <mark>1180</mark>	The tea shop has 1180 tea bags.
2 .	11 ¹ / ₄ x 8 = 90	The tea shop has 90 slices of cake.
3.	37 × 20p = 740p or £7.40	The children have brought in £7.40 altogether.
4 .	224 ÷ 7 = <mark>32</mark>	224 days is <mark>32</mark> weeks.
5.	£81 ÷ 6 = <mark>£13.50</mark>	The meal cost £13.50 per person.
6.	32 × 19 = <mark>608</mark>	The driver drives 608 miles in a day.
7.	203 ÷ 7 = <mark>29</mark>	There are 29 children in each class.
8 .	27 × 5min = <mark>135min</mark>	It will take the runner 2 hours and 15 minutes.

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A Bit Stuck? Mammoth multiplications Work in pairs Dings you will need: • A pencil • A large piece of paper What to do: • Work in pairs to write out the 4 times table on the left of the piece of paper.

• Now write out the 400 times table!

the answers.



S-t-r-e-t-c-h:

Work out the missing numbers. $6 \times 1 = 12$ $6 \times 1 = 120$ $6 \times 1 = 1200$. Test out your answers.

Learning outcomes:

• I can use known times tables and place value to multiply, e.g. 4×3 , 4×30 , 4×300 .

• I am beginning to use known times tables and place value to solve problems.

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m ²	Fruit Salad	N
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لي	Oranges 23p each Bananas 28p each	1/2
۰۱۰	Apples 31p each Mangos 42p each	۰ŀ
4	Grapes 55p a bunch	ħ
cm ³	Pineapples 95p each	2
×		v
w		m
•ا•	 Kyle and Emma are making a fruit salad. They have a budget of £10. 	+
×	 How many of each fruit can they buy to make the fruit salad? 	%
e-	Be careful not to go over the budget!	Ν
cm	 How much change will they have? 	5%
1	 Investigate different combinations of fruit 	1
5%	 Try a salad that includes at least one of each type. 	cm
V	 What if they had a budget of £25? 	د.
%	How many of each fruit can they use?	*
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42	Challenge	v
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