Lesson 8– Multiplication & Division – 2 Times Tables

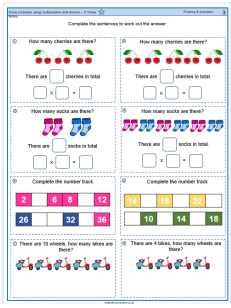
NC Objective:	Resources needed:	Vocabulary:
Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers	Differentiated Sheets Teaching Slides Cubes Number pieces	Multiplication, division, counting, equal groups

Children should be comfortable with the concept of multiplication so they can apply this to multiplication tables.
Images, as well as number tracks, should be used to encourage children to count in twos.
Resources such as cubes and number pieces are important for children to explore equal groups within the 2 times-table.

Key Questions:

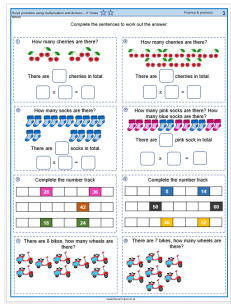
If 16 p is made using 2 p coins, how many coins would there be?
How many 2s go into 16?
How can the images of the bicycles help you to solve the problems?

★ Working Towards



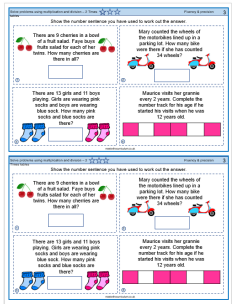
Children work out the sentences that involve multiplying by 2. On this sheet, they also know the pattern of the products of the numbers multiplied by 2 by completing the number track. Pictures shown on this sheet are helpful for them to find the answers.

★★ Working Within



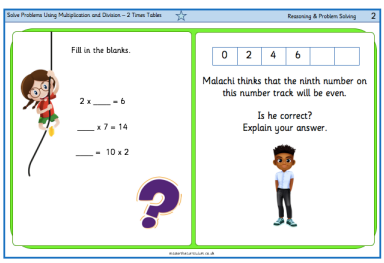
On this sheet, there are more objects to be considered by the children to workout the answer by multiplying by 2. There are more missing numbers to fill in to complete the number tracks.

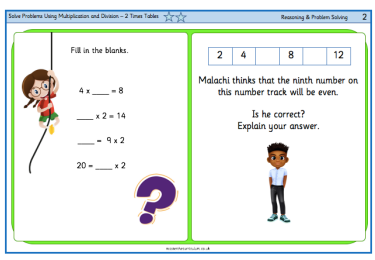
★★★ Greater Depth

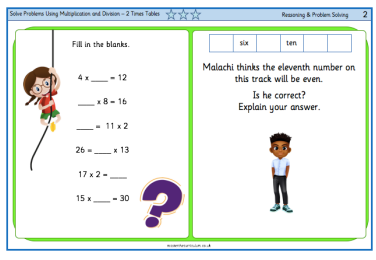


On this sheet, pictures are just representation of the objects used in the word problems. Children learn not to rely on the number of the objects shown for each word problem but to analyse the problem and solve it according to how they understand it. There is an empty track to complete on this sheet.

Reasoning & Problem Solving







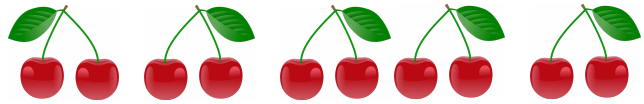
Complete the sentences to work out the answer.

① How many cherries are there?

There are ☐ cherries in total.

☐ x ☐ = ☐

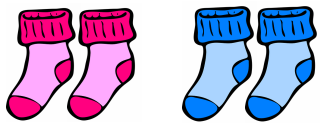
② How many cherries are there?



There are ☐ cherries in total.

☐ x ☐ = ☐

② How many socks are there?



There are ☐ socks in total.

☐ x ☐ = ☐

④ How many socks are there?

There are ☐ socks in total.

☐ x ☐ = ☐

⑤ Complete the number track

2		6	8		12

26			32		36

⑥ Complete the number track

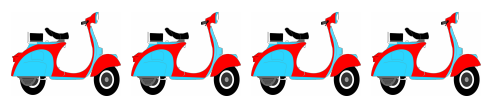
14		18		22	

	10		14		18

⑦ There are 10 wheels, how many bikes are there?

☐

⑧ There are 4 bikes, how many wheels are there?



☐

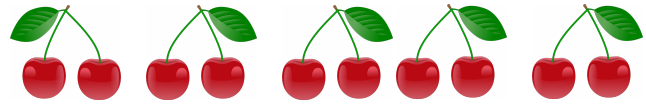
Complete the sentences to work out the answer.

① How many cherries are there?

There are 6 cherries in total.

3 x 2 = 6

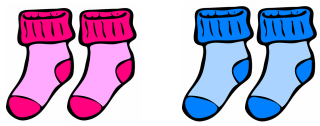
② How many cherries are there?



There are 10 cherries in total.

5 x 2 = 10

② How many socks are there?



There are 4 socks in total.

2 x 2 = 4

④ How many socks are there?

There are 12 socks in total.

6 x 2 = 12

⑤ Complete the number track

2	4	6	8	10	12
26	28	30	32	34	36

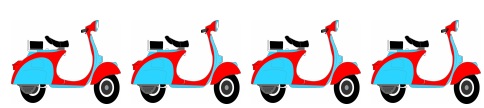
⑥ Complete the number track

14	16	18	20	22	24
8	10	12	14	16	18

⑦ There are 10 wheels, how many bikes are there?

5 bikes

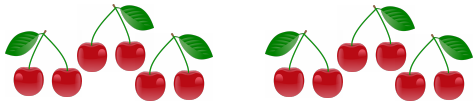
⑧ There are 4 bikes, how many wheels are there?



8 wheels

Complete the sentences to work out the answer.

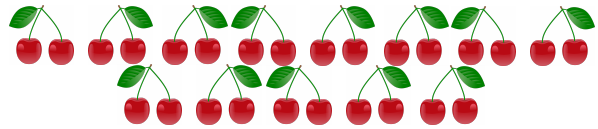
① How many cherries are there?



There are ☐ cherries in total.

☐ x ☐ = ☐

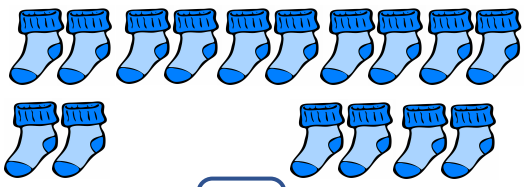
② How many cherries are there?



There are ☐ cherries in total.

☐ x ☐ = ☐

② How many socks are there?



There are ☐ socks in total.

☐ x ☐ = ☐

④ How many pink socks are there? How many blue socks are there?

There are ☐ pink sock in total

☐ x ☐ = ☐

⑤ Complete the number track

		28				36	
					42		
		18			24		

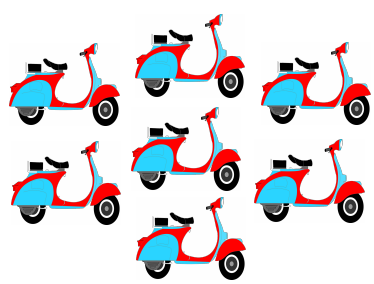
⑥ Complete the number track

			8			14	
		50					60
			46			52	

⑦ There are 8 bikes, how many wheels are there?

☐

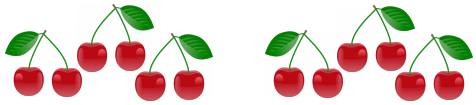
⑧ There are 7 bikes, how many wheels are there?



☐

Complete the sentences to work out the answer.

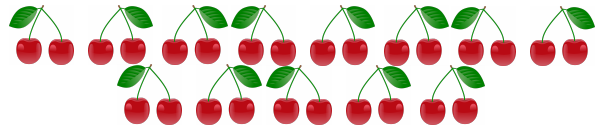
① How many cherries are there?



There are 12 cherries in total.

6 x 2 = 12

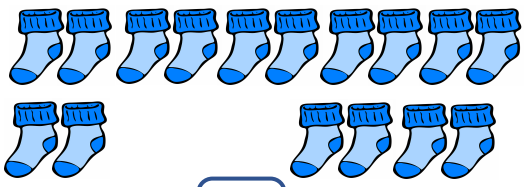
② How many cherries are there?



There are 26 cherries in total.

2 x 13 = 26

② How many socks are there?



There are 16 socks in total.

8 x 2 = 16

④ How many pink socks are there? How many blue socks are there?

There are 8 pink sock in total

4 x 2 = 8

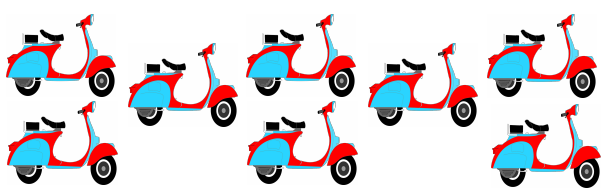
⑤ Complete the number track

24	26	28	30	32	34	36	38
20	32	36	38	40	42	44	46
14	16	18	20	22	24	26	28

⑥ Complete the number track

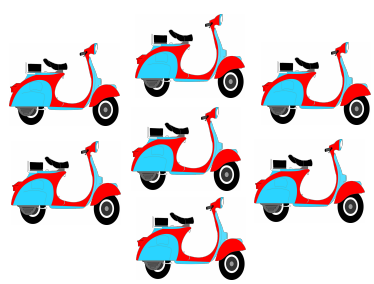
2	4	6	8	10	12	14	16
46	48	50	52	54	56	58	60
40	42	44	46	48	50	52	54

⑦ There are 8 bikes, how many wheels are there?



16 wheels

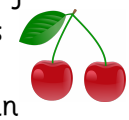
⑧ There are 7 bikes, how many wheels are there?



14 wheels

Show the number sentence you have used to work out the answer.

There are 9 cherries in a bowl of a fruit salad. Faye buys fruits salad for each of her twins. How many cherries are there in total?



1

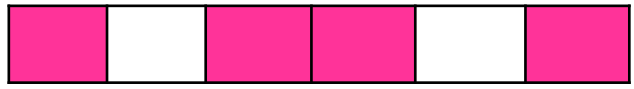
Mary counted the wheels of the motorbikes lined up in a parking lot. How many bikes were there if she has counted 34 wheels?

2

There are 13 girls and 11 boys playing. Girls are wearing pink socks and boys are wearing blue sock. How many pink socks and blue socks are there?

3

Maurice visits his grannie every 2 years. Complete the number track for his age if he started his visits when he was 12 years old.



4

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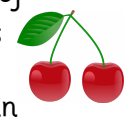

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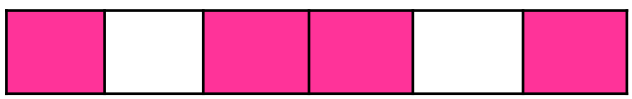
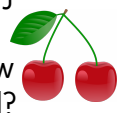


4

Show the number sentence you have used to work out the answer.

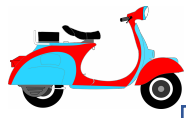
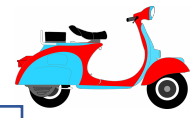
There are 9 cherries in a bowl of a fruit salad. Faye buys fruits salad for each of her twins. How many cherries are there in total?

18

1

Mary counted the wheels of the motorbikes lined up in a parking lot. How many bikes were there if she has counted 34 wheels?

17

2

There are 13 girls and 11 boys playing. Girls are wearing pink socks and boys are wearing blue sock. How many pink socks and blue socks are there?

26 pink, 22 blue

3

Maurice visits his grannie every 2 years. Complete the number track for his age if he started his visits when he was 12 years old.

12	14	16	18	20	22

4

Solve Problems Using Multiplication and Division – 2 Times Tables ☆☆☆ Answers Fluency & Precision 2

Show the number sentence you have used to work out the answer.

There are 9 cherries in a bowl of a fruit salad. Faye buys fruits salad for each of her twins. How many cherries are there in total?

18

1

Mary counted the wheels of the motorbikes lined up in a parking lot. How many bikes were there if she has counted 34 wheels?

17

2

There are 13 girls and 11 boys playing. Girls are wearing pink socks and boys are wearing blue sock. How many pink socks and blue socks are there?

26 pink, 22 blue

3

Maurice visits his grannie every 2 years. Complete the number track for his age if he started his visits when he was 12 years old.

12	14	16	18	20	22

4

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Fill in the blanks.

2 x _____ = 6

_____ x 7 = 14

_____ = 10 x 2

0	2	4	6		

Malachi thinks that the ninth number on this number track will be even.

Is he correct?
Explain your answer.

Solve problems using Multiplication and Division – 2 times tables ☆ Reasoning & Problem Solving 2

Fill in the blanks.

2 x _____ = 6

_____ x 7 = 14

_____ = 10 x 2

0	2	4	6		

Malachi thinks that the ninth number on this number track will be even.

Is he correct?
Explain your answer.

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Fill in the blanks.

2 x 3 = 6

2 x 7 = 14

20 = 10 x 2

0	2	4	6	8	10

Malachi thinks that the ninth number on this number track will be even.

Is he correct?
Explain your answer.

Malachi is correct because the numbers go up in twos. The ninth number on the number track will be 18. Children may conclude that when you add two even numbers the answer is always even.

Solve problems using Multiplication and Division – 2 times tables ☆ Answers Reasoning & Problem Solving 2

Fill in the blanks.

2 x 3 = 6

2 x 7 = 14

20 = 10 x 2

0	2	4	6	8	10

Malachi thinks that the ninth number on this number track will be even.

Is he correct?
Explain your answer.

Malachi is correct because the numbers go up in twos. The ninth number on the number track will be 18. Children may conclude that when you add two even numbers the answer is always even.

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Fill in the blanks.

4 x _____ = 8

_____ x 2 = 14

_____ = 9 x 2

20 = _____ x 2

2	4		8		12

Malachi thinks that the ninth number on this number track will be even.

Is he correct?
Explain your answer.

Solve problems using Multiplication and Division – 2 times tables ☆☆ Reasoning & Problem Solving 2

Fill in the blanks.

4 x _____ = 8

_____ x 2 = 14

_____ = 9 x 2

20 = _____ x 2

2	4		8		12

Malachi thinks that the ninth number on this number track will be even.

Is he correct?
Explain your answer.

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Fill in the blanks.

4 x 2 = 8

7 x 2 = 14

18 = 9 x 2

20 = 10 x 2

2	4	6	8	10	12

Malachi thinks that the ninth number on this number track will be even.

Is he correct?
Explain your answer.

Malachi is correct because the numbers go up in twos. The ninth number on the number track will be 18. Children may conclude that when you add two even numbers the answer is always even.

Solve problems using Multiplication and Division – 2 times tables ☆☆ Answers Reasoning & Problem Solving 2

Fill in the blanks.

4 x 2 = 8

7 x 2 = 14

18 = 9 x 2

20 = 10 x 2

2	4	6	8	10	12

Malachi thinks that the ninth number on this number track will be even.

Is he correct?
Explain your answer.

Malachi is correct because the numbers go up in twos. The ninth number on the number track will be 18. Children may conclude that when you add two even numbers the answer is always even.

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Fill in the blanks.

4 x _____ = 12

_____ x 8 = 16

_____ = 11 x 2

26 = _____ x 13

17 x 2 = _____

15 x _____ = 30

	six		ten		

Malachi thinks the eleventh number on this track will be even.

Is he correct?
Explain your answer.

Fill in the blanks.

4 x _____ = 12

_____ x 8 = 16

_____ = 11 x 2

26 = _____ x 13

17 x 2 = _____

15 x _____ = 30

	six		ten		

Malachi thinks the eleventh number on this track will be even.

Is he correct?
Explain your answer.

Fill in the blanks.

4 x 6 = 12

2 x 8 = 16

22 = 11 x 2

26 = 2 x 13

17 x 2 = 34

15 x 2 = 30

	six		ten		

Malachi thinks the eleventh number on this track will be even.

Is he correct?
Explain your answer.

Malachi is correct because 2 is an even number and the 2 times-table goes up in twos.
The eleventh number will be 24.
Children may conclude that when you add two even numbers the answer is always even.

Solve problems using Multiplication and Division – 2 times tables ☆☆☆ Answers Reasoning & Problem Solving 2

Fill in the blanks.

4 x 6 = 12

2 x 8 = 16

22 = 11 x 2

26 = 2 x 13

17 x 2 = 34

15 x 2 = 30

	six		ten		

Malachi thinks the eleventh number on this track will be even.

Is he correct?
Explain your answer.

Malachi is correct because 2 is an even number and the 2 times-table goes up in twos.
The eleventh number will be 24.
Children may conclude that when you add two even numbers the answer is always even.

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