

# Answer Booklet

## Year 2 Maths:

### Workbook Pack

#### Year 2 Programme of Study: Multiplication and Division

Statutory Requirements	Worksheet	Page Number	Notes
Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	2 Times Table	2	
	5 Times Table	3	
	10 Times Table	4	
	Dividing by 2 Race	5	
	Dividing by 5 Race	6	
	Dividing by 10 Race	7	
	Recognising Odd and Even Numbers	8	
Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ( $\times$ ), division ( $\div$ ) and equals ( $=$ ) signs.	Writing Multiplication and Division Statements	9	
Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.	Triangle Statements	10	
	Match the Multiplication	11	
	Multiplication Triangles	12	
Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.	Multiplication 2, 5, 10 Times Table	13 - 15	
	Year 2 Multiplication and Division Word Problems $\times 2$ , $\times 5$ , $\times 10$	16	
	Multiplication on a Number Line $\times 2$	17 - 18	
	Multiplication on a Number Line $\times 5$	19 - 20	
	Multiplication Building Blocks	21	

## 2 Times Table: Answers

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Questions:																										
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b	4																									
c	6																									
d	8																									
e	10																									
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## 5 Times Table: Answers

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# 10 Times Table: Answers

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# Division by 2 Race



**Divide by 2**

**Division Race**

Take the number in the circle below and divide the numbers on the outside of the track by it. Write your answers as you go and see how long it takes you to finish the race!

6	16	2	4	14	6	16	10
3	8	1	2	7	3	8	5
10	10	4	2	14	6	16	10
20	4	2	2	7	3	8	2
8	4	2	2	14	6	16	4
24	12	2	2	7	3	8	8
18	9	2	2	14	6	16	4
22	11	2	2	7	3	8	8
14	7	2	2	7	3	8	2
8	4	2	2	14	6	16	4
12	6	2	2	7	3	8	8
20	10	2	2	14	6	16	4
24	12	2	2	7	3	8	8
18	9	2	2	14	6	16	4
22	11	2	2	7	3	8	8
14	7	2	2	7	3	8	2
8	4	2	2	14	6	16	4
12	6	2	2	7	3	8	8
20	10	2	2	14	6	16	4
24	12	2	2	7	3	8	8
18	9	2	2	14	6	16	4

# Division by 5 Race



**Division Race**

Take the number in the circle below and divide the numbers on the outside of the track by it. Write your answers as you go and see how long it takes you to finish the race!

**Divide by**  
5

35	60	10	5	30	20	45	35
7	12	2	1	6	4	9	7
8	8	4	11	3	4	2	8
40	30	6	55	10	11	55	40
20	55	11	3	9	1	3	10
4	3	10	5	25	45	5	10
15	50	25	45	5	15	25	60



## Multiplication Building Blocks: Answers

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question	answer
	3 = <b>odd</b>
	6 = <b>even</b>
	15 = <b>odd</b>
	12 = <b>even</b>
	1 = <b>odd</b>
	10 = <b>even</b>
	18 = <b>even</b>
	27 = <b>odd</b>
	40 = <b>even</b>
	32 = <b>even</b>
	53 = <b>odd</b>
	31 = <b>odd</b>
	58 = <b>even</b>
	22 = <b>even</b>
	83 = <b>odd</b>
	38 = <b>even</b>
	101 = <b>odd</b>
	138 = <b>even</b>
	199 = <b>odd</b>



## Writing Multiplication and Division Statements: Answers

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question	answer		
1	x	$3 \times 7 = 21$	$7 \times 3 = 21$
	÷	$21 \div 7 = 3$	$21 \div 3 = 7$
2	x	$4 \times 6 = 24$	$6 \times 4 = 24$
	÷	$24 \div 6 = 4$	$24 \div 4 = 6$
3	x	$2 \times 9 = 18$	$9 \times 2 = 18$
	÷	$18 \div 2 = 9$	$18 \div 9 = 2$
4	x	$3 \times 9 = 27$	$9 \times 3 = 27$
	÷	$27 \div 3 = 9$	$27 \div 9 = 3$
5	x	$5 \times 6 = 30$	$6 \times 5 = 30$
	÷	$30 \div 5 = 6$	$30 \div 6 = 5$

## Triangle Statements: Answers

question	answer		question	answer	
<b>1</b>	Multiplication ✓	$2 \times 7 = 14$ $7 \times 2 = 14$	<b>5</b>	Multiplication ✓	$11 \times 5 = 55$ $5 \times 11 = 55$
	Division ✓	$14 \div 7 = 2$ $14 \div 2 = 7$		Division ✓	$55 \div 5 = 11$ $55 \div 11 = 5$
	Division ✗	$2 \div 14 = 7$ $2 \div 7 = 14$ $7 \div 2 = 14$ $7 \div 14 = 2$		Division ✗	$5 \div 55 = 11$ $11 \div 55 = 5$ $11 \div 5 = 55$ $5 \div 11 = 55$
<b>2</b>	Multiplication ✓	$5 \times 6 = 30$ $6 \times 5 = 30$	<b>6</b>	Multiplication ✓	$10 \times 9 = 90$ $9 \times 10 = 90$
	Division ✓	$30 \div 6 = 5$ $30 \div 5 = 6$		Division ✓	$90 \div 10 = 9$ $90 \div 9 = 10$
	Division ✗	$6 \div 30 = 5$ $6 \div 5 = 30$ $5 \div 30 = 6$ $5 \div 6 = 30$		Division ✗	$10 \div 90 = 9$ $9 \div 90 = 10$ $9 \div 10 = 90$ $10 \div 9 = 90$
<b>3</b>	Multiplication ✓	$10 \times 2 = 20$ $2 \times 10 = 20$	<b>7</b>	Multiplication ✓	$12 \times 2 = 24$ $2 \times 12 = 24$
	Division ✓	$20 \div 10 = 2$ $20 \div 2 = 10$		Division ✓	$24 \div 2 = 12$ $24 \div 12 = 2$
	Division ✗	$10 \div 20 = 2$ $2 \div 20 = 10$ $2 \div 10 = 20$ $10 \div 2 = 20$		Division ✗	$2 \div 24 = 12$ $12 \div 24 = 2$ $12 \div 2 = 24$ $2 \div 12 = 24$
<b>4</b>	Multiplication ✓	$9 \times 2 = 18$ $2 \times 9 = 18$	<b>8</b>	Multiplication ✓	$12 \times 10 = 120$ $10 \times 12 = 120$
	Division ✓	$18 \div 2 = 9$ $18 \div 9 = 2$		Division ✓	$120 \div 10 = 12$ $120 \div 12 = 10$
	Division ✗	$2 \div 18 = 9$ $9 \div 18 = 2$ $9 \div 2 = 18$ $2 \div 9 = 18$		Division ✗	$10 \div 120 = 12$ $12 \div 120 = 10$ $12 \div 10 = 120$ $10 \div 12 = 120$

## Match the Multiplication: Answers

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question	answer
	<b><math>5 \times 3 = 15</math></b>
	<b><math>2 \times 10 = 20</math></b>
	<b><math>10 \times 9 = 90</math></b>
	<b><math>5 \times 7 = 35</math></b>
	<b><math>2 \times 6 = 12</math></b>
	<b><math>8 \times 2 = 16</math></b>
	<b><math>5 \times 10 = 50</math></b>
	<b><math>5 \times 5 = 25</math></b>

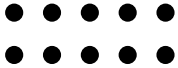
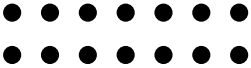
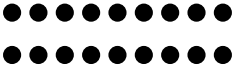
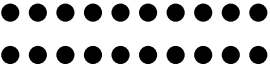
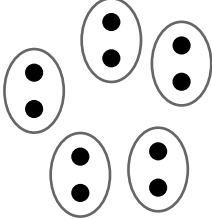
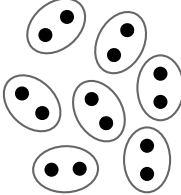
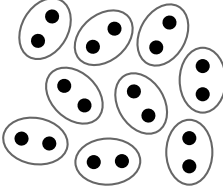
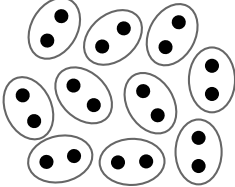
## Multiplication Triangles: Answers

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question	answer	question	answer
<b>Sheet 1.</b>		<b>Sheet 2.</b>	
1	<b>4</b>	13	<b>5</b>
2	<b>40</b>	14	<b>100</b>
3	<b>10</b>	15	<b>5</b>
4	<b>11</b>	16	<b>6</b>
5	<b>24</b>	17	<b>40</b>
6	<b>5</b>	18	<b>2</b>
7	<b>8</b>	19	<b>6</b>
8	<b>12</b>	20	<b>8</b>
9	<b>5</b>	21	<b>2</b>
10	<b>2</b>	22	<b>2</b>
11	<b>16</b>	23	<b>50</b>
12	<b>5</b>	24	<b>5</b>

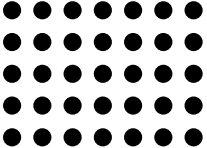
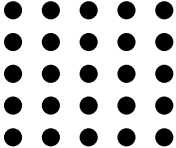
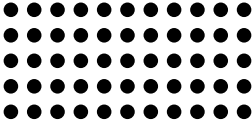
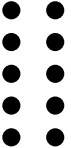
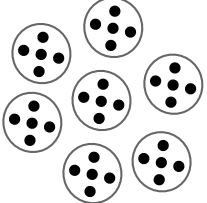
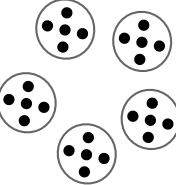
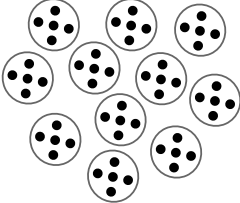

# Multiplication 2 Times Table

Complete the table below.

Factors	$2 \times 5$	$2 \times 7$	$2 \times 9$	$2 \times 10$
Product	10	14	18	20
Repeated Addition	$2 + 2 + 2 + 2 + 2$	$2 + 2 + 2 + 2 + 2 + 2 + 2$	$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$	$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$
Commutative Property	$2 \times 5$ $5 \times 2$	$2 \times 7$ $7 \times 2$	$2 \times 9$ $9 \times 2$	$2 \times 10$ $10 \times 2$
Array				
Groups				

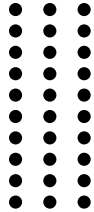
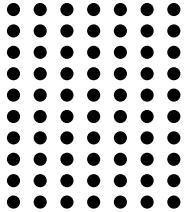
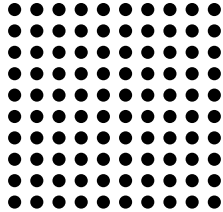
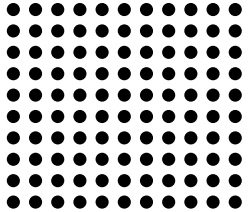
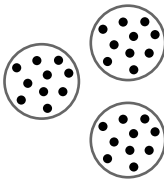
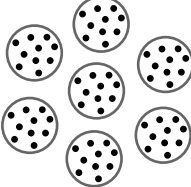
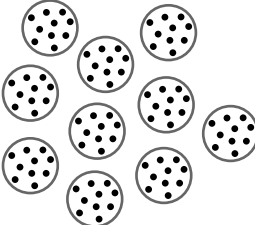
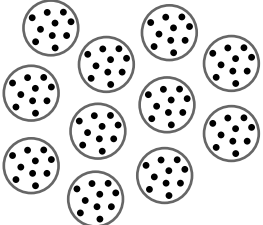
# Multiplication 5 Times Table

Complete the table below.

Factors	$5 \times 7$	$5 \times 5$	$5 \times 11$	$5 \times 2$
Product	35	25	55	10
Repeated Addition	$5 + 5 + 5 + 5 + 5 + 5 + 5$	$5 + 5 + 5 + 5 + 5$	$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	$5 + 5$
Commutative Property	$5 \times 7$ $7 \times 5$	$5 \times 5$	$5 \times 11$ $11 \times 5$	$5 \times 2$ $2 \times 5$
Array				
Groups				

# Multiplication 10 Times Table

Complete the table below.

Factors	$10 \times 3$	$10 \times 7$	$10 \times 10$	$10 \times 11$
Product	30	70	100	110
Repeated Addition	$10 + 10 + 10$	$10 + 10 + 10 + 10 + 10 + 10 + 10$	$10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10$	$10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10$
Commutative Property	$10 \times 3$ $3 \times 10$	$10 \times 7$ $7 \times 10$	$10 \times 10$	$10 \times 11$ $11 \times 10$
Array				
Groups				

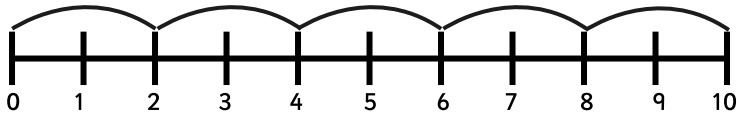
## Multiplication and Division Word Problems: Answers

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question	answer
1	<b>22 wheels</b>
2	<b>35 guests</b>
3	<b>45</b>
4	<b>40 points</b>
5	<b>£60</b>
6	<b>16 children</b>
7	<b>5 biscuits</b>
8	<b>7 packets</b>
9	<b>70 owls</b>

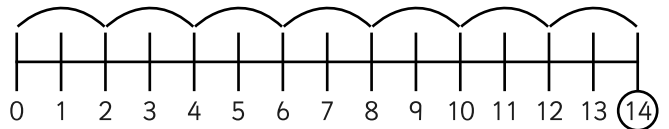
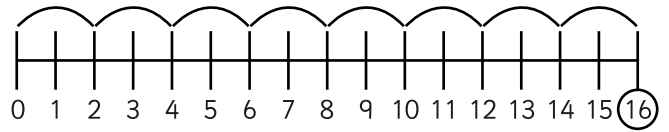
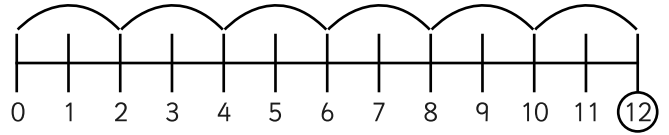
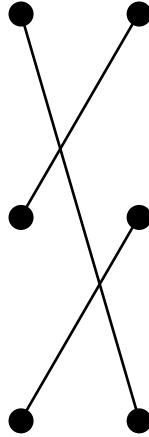
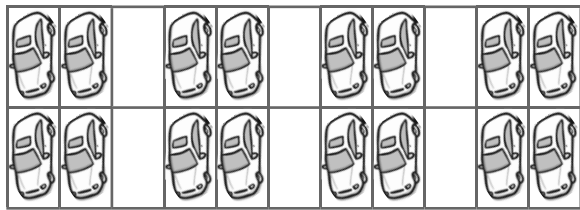


# Multiplication on a Number Line x2: Answers

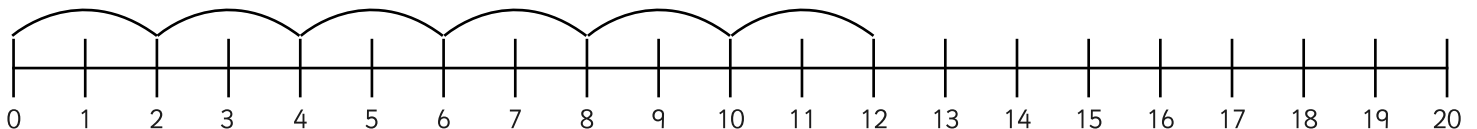
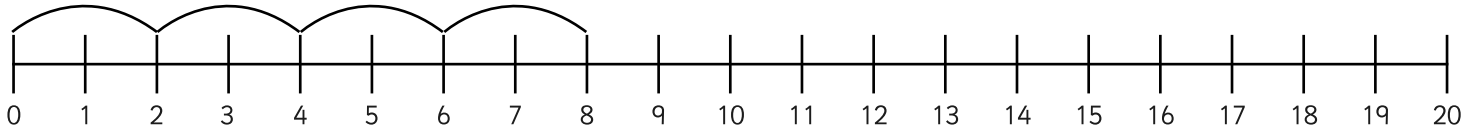


$5 \times 2$  means do 5 jumps of 2 = 10

1. Can you match the picture to the number line with the matching jumps?

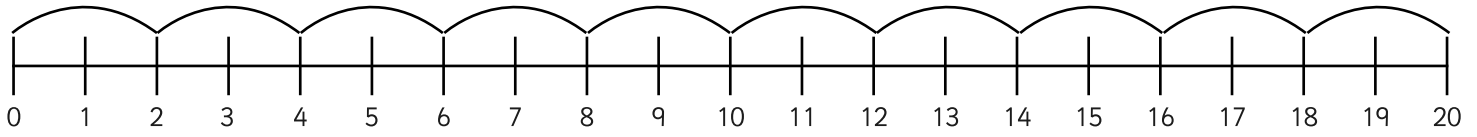


2. Can you draw jumps of 2 on the number line for the following pictures?



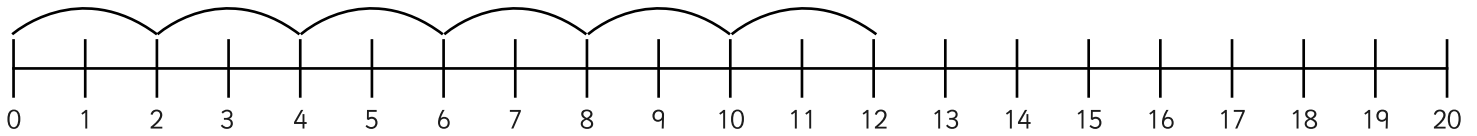
3. How many 2s are in 20? Can you draw the jumps?

**10**



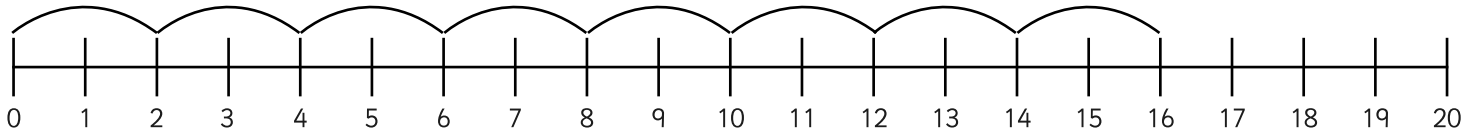
4. What are 6 lots of 2? Can you draw the jumps?

**12**

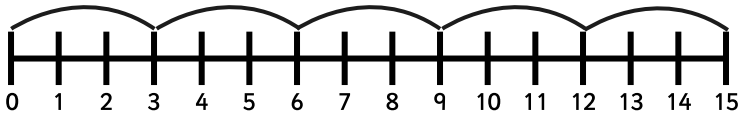


5. I can see 8 pairs of shoes. How many shoes can I see altogether?

**16**

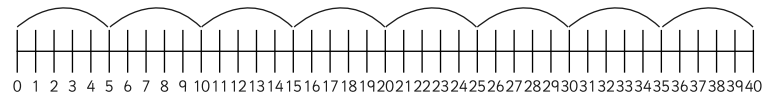
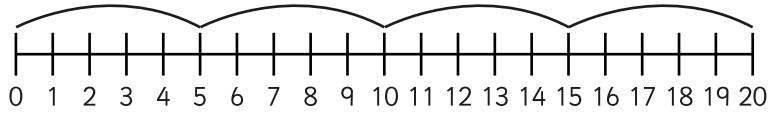
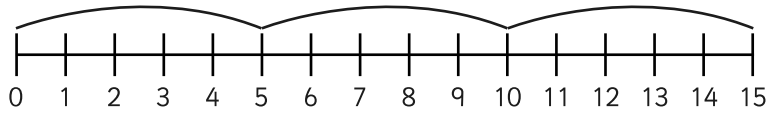
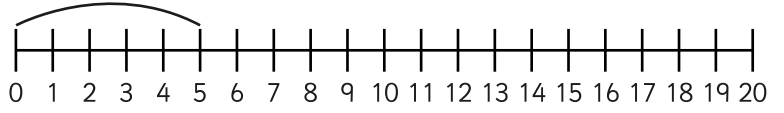
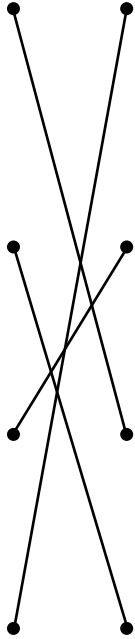
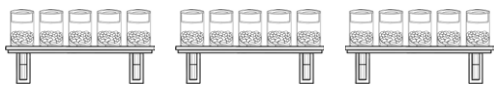
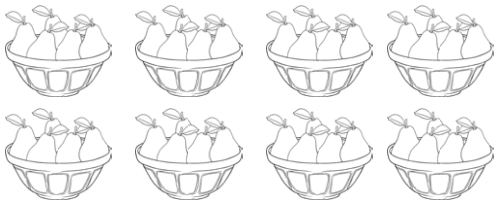
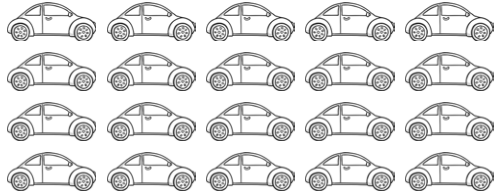


# Multiplication on a Number Line x 5

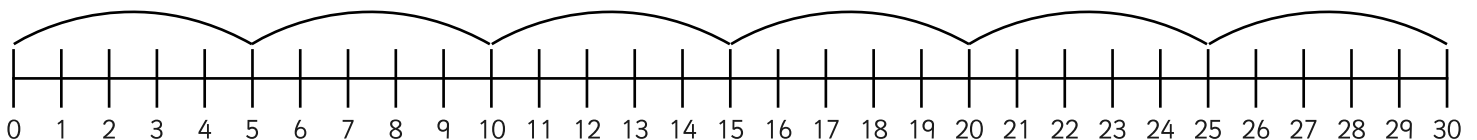
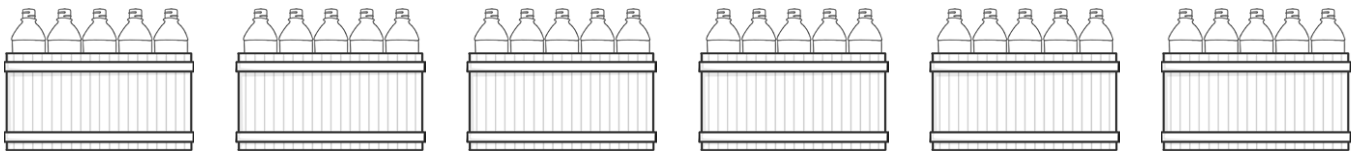
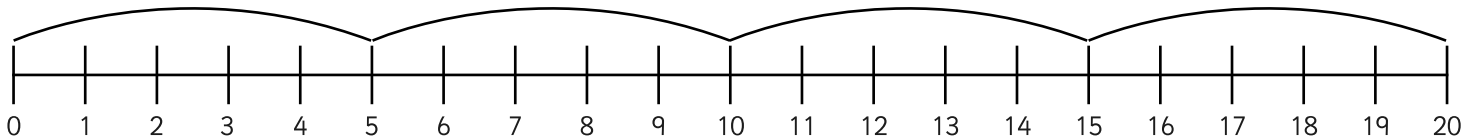


$3 \times 5$  means do 3 jumps of 5 = 15

1. Join the dots to match the pictures to the number lines.

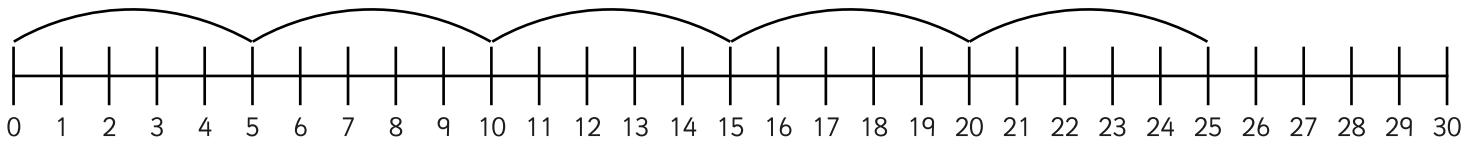


2. Can you draw jumps of 5 on the number line for the following pictures?



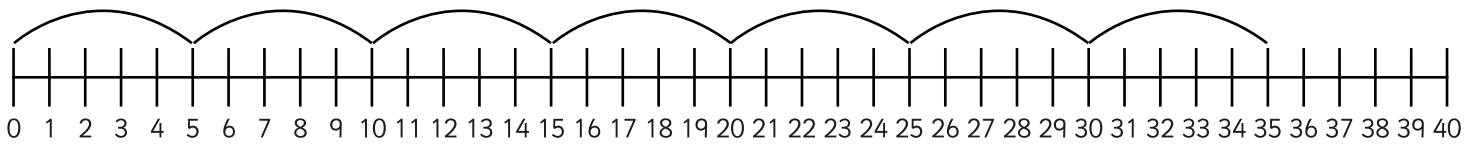
3. How many 5s are in 25? Can you draw the jumps?

**5**



4. What are 7 lots of 5? Can you draw the jumps?

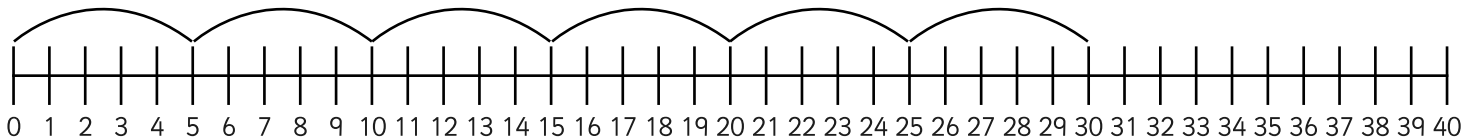
**35**



5. I have 6 bags of sweets. There are 5 sweets in each bag. How many sweets do I have altogether?



**30**



## Multiplication Building Blocks: Answers

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question	answer
1	30
2	45
3	95
4	38
5	90
6	180
7	59
8	66