

Gr 3 - 7 Master Multiplication | Part 1

ALL Learners Must Start Here [Page 1]

Question 1 | Multiples of 2: Part 1 [___ × 2 and 2 × ___]



1. Start at 2 and count forwards in twos:

2, 4, 6, 8, 10, 12, 14, 16 ...

These numbers are called **multiples** of 2.

The third multiple of 2 is 6:

- $2 + 2 + 2 = 6$
- 3 twos = 6
- $3 \times 2 = 6$

Say "3 times 2 is 6"

2. Fill in the first ten multiples of 2. *Simply count in twos.*

	1	2	3	4	5	6	7	8	9	10
× 2	2	4	6							

Memorise the answers

3. Complete the table.

	Repeated addition	In words	Multiplication form	Answer
a)	$2 + 2 + 2$	3 twos	3×2	6
b)	$2 + 2$ twos × 2	
c)	$2 + 2 + 2 + 2$twos × 2	
d)	$2 + 2 + 2 + 2 + 2$ twos × 2	



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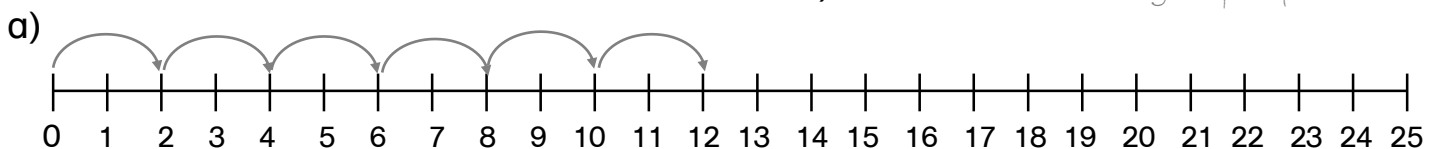


4. Complete:

- | | | | | |
|----------------|--------------------|------------------------|------------------------|------------------------|
| a) 6 twos | b) 7 twos | c) 8 twos | d) 9 twos | e) 10 twos |
| = 6×2 | = $7 \times \dots$ | = $\dots \times \dots$ | = $\dots \times \dots$ | = $\dots \times \dots$ |
| = 12 | = | = | = | = |

5. Draw arrows on the number line to show: a) 6×2 . *Think: 6 groups of 2.*

b) 10×2 . *Think: 10 groups of 2.*



b)

Question 2 | Multiples of 2: Part 2 [___ × 2 and 2 × ___]

1. Fill in the first ten multiples of 2. *Simply count in twos.*

	1	2	3	4	5	6	7	8	9	10
× 2										

Memorise the answers

2. The first 6 multiples of 2 are 2, 4,

3. Complete:

- a) The seventh multiple of 2 =
- b) The tenth multiple of 2 =

4. Complete:

- a) 10 is five times bigger than 2.
- b) 20 is times bigger than 2.

5. Complete:

- a) $3 \times 2 = \dots$ b) $7 \times 2 = \dots$
- $4 \times 2 = \dots$ $8 \times 2 = \dots$
- $5 \times 2 = \dots$ $9 \times 2 = \dots$
- $6 \times 2 = \dots$ $10 \times 2 = \dots$

6. Complete:

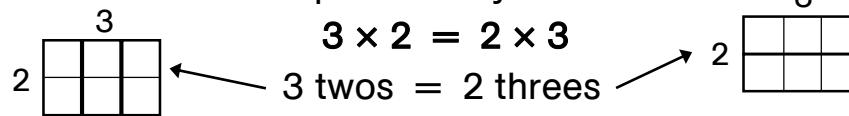
- a) $3 \times 2 = \dots$ b) 4 twos =
- $5 \times 2 = \dots$ 6 twos =
- $7 \times 2 = \dots$ 8 twos =
- $9 \times 2 = \dots$ 10 twos =



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7. Study: Two numbers can be multiplied in any order:



8. Complete:

- a) $3 \times 2 = \dots$ b) $5 \times 2 = \dots$ c) $8 \times 2 = \dots$ d) 9 twos =
- $2 \times 3 = \dots$ $2 \times 5 = \dots$ $2 \times 8 = \dots$ 2 nines =

9. Complete:

- a) $2 \times 4 = 4 \times \dots$ b) $2 \times \dots = 5 \times 2$ c) 3 twos = threes
- $2 \times 7 = 7 \times \dots$ $\times 2 = 2 \times 8$ 2 = 6 twos

Question 3 | Multiples of 3: Part 1



1. Start at 3 and count forwards in threes:

3, 6, 9, 12, 15, 18, 21, 24...

These numbers are called **multiples** of 3.

The fourth multiple of 3 is 12:

- $3 + 3 + 3 + 3 = 12$
 - 4 threes = 12
 - $4 \times 3 = 12$
- Say "4 times 3 is 12"

2. Fill in the first ten multiples of 3. *Simply count in threes.*

	1	2	3	4	5	6	7	8	9	10
$\times 3$	3	6	9						27	

Memorise the answers

3. Complete the table.

	Repeated addition	In words	Multiplication form	Answer
a)	$3 + 3 + 3$	3 threes	3×3	9
b)	$3 + 3$ threes $\times 3$	
c)	$3 + 3 + 3 + 3$			
d)	$3 + 3 + 3 + 3 + 3$			

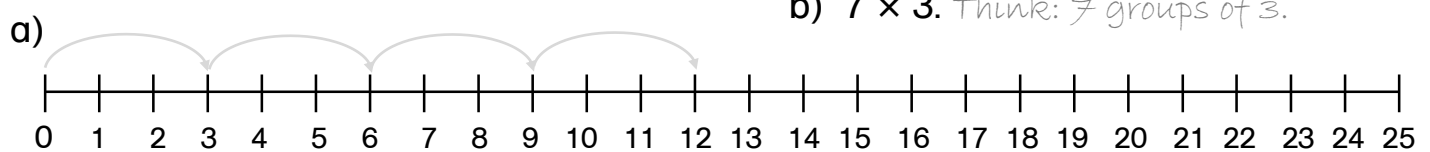


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4. Complete:

- | | | | | |
|----------------|-------------------------|----------------------------------|----------------------------------|----------------------------------|
| a) 6 threes | b) 7 threes | c) 8 threes | d) 9 threes | e) 10 threes |
| $= 6 \times 3$ | $= 7 \times \dots\dots$ | $= \dots\dots \times \dots\dots$ | $= \dots\dots \times \dots\dots$ | $= \dots\dots \times \dots\dots$ |
| $= 18$ | $= \dots\dots\dots$ | $= \dots\dots\dots$ | $= \dots\dots\dots$ | $= \dots\dots\dots$ |

5. Draw arrows on the number line to show: a) 4×3 . *Think: 4 groups of 3.*



Question 5 | Multiples of 4: Part 1



1. Start at 4 and count forwards in fours:

4 , 8 , 12 , 16 , 20 , 24 , 28 , 32...

These numbers are called **multiples** of 4.

The third multiple of 4 is 12:

- $4 + 4 + 4 = 12$
- $3 \text{ fours} = 12$
- $3 \times 4 = 12$

Say "3 times 4 is 12"

2. Fill in the first ten multiples of 4. *Simply count in fours.*

	1	2	3	4	5	6	7	8	9	10
$\times 4$	4	8	12				28			

Memorise the answers

3. Complete the table.

	Repeated addition	In words	Multiplication form	Answer
a)	$4 + 4 + 4$	3 fours	3×4	12
b)	$4 + 4 + 4 + 4$			
c)	$4 + 4$			
d)	$4 + 4 + 4 + 4 + 4 + 4$			



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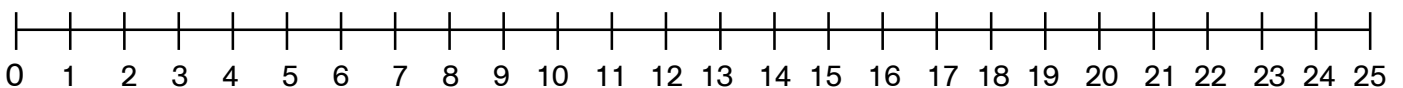
4. Complete:

- | | | | | |
|----------------|-------------------------|----------------------------------|----------------------------------|----------------------------------|
| a) 3 fours | b) 5 fours | c) 6 fours | d) 9 fours | e) 10 fours |
| $= 3 \times 4$ | $= 5 \times \dots\dots$ | $= \dots\dots \times \dots\dots$ | $= \dots\dots \times \dots\dots$ | $= \dots\dots \times \dots\dots$ |
| $= 12$ | $= \dots\dots\dots$ | $= \dots\dots\dots$ | $= \dots\dots\dots$ | $= \dots\dots\dots$ |

5. Draw arrows on the number line to show: a) 3×4 . *Think: 3 groups of 4.*

b) 5×4 . *Think: 5 groups of 4.*

a)



b)

Question 6 | Multiples of 4: Part 2 [___ × 4 and 4 × ___]

1. Fill in the first ten multiples of 4.

	1	2	3	4	5	6	7	8	9	10
× 4										

**Memorise
the
answers**

2. The first six multiples of four are

3. Complete:

- a) The 2nd multiple of 4 =
- b) The 9th multiple of 4 =

4. Complete:

- a) 16 is times bigger than 4.
- b) 40 is times bigger than 4.

5. Complete:

- a) $2 \times 4 = \dots$
- b) $6 \times 4 = \dots$
- $3 \times 4 = \dots$
- $7 \times 4 = \dots$
- $4 \times 4 = \dots$
- $8 \times 4 = \dots$
- $5 \times 4 = \dots$
- $9 \times 4 = \dots$

6. Complete:

- a) $3 \times 4 = \dots$
- b) 4 fours =
- $6 \times 4 = \dots$
- 5 fours =
- $7 \times 4 = \dots$
- 8 fours =
- $10 \times 4 = \dots$
- 9 fours =



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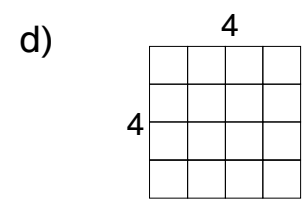
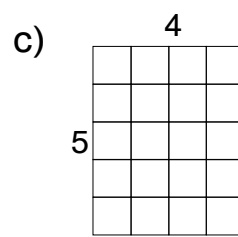
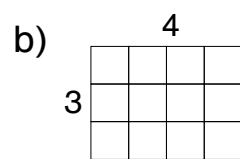
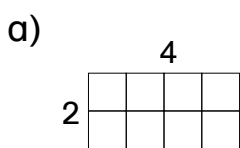


7. Study: Two numbers can be multiplied in any order: $2 \times 4 = 4 \times 2$
2 fours = 4 twos

8. Complete:

- a) $3 \times 4 = 12$
- b) $6 \times 4 = \dots$
- c) $8 \times 4 = \dots$
- d) 9 fours =
- $4 \times 3 = 12$
- $4 \times 6 = \dots$
- $4 \times 8 = \dots$
- 4 nines =

9. Find the number of small squares in each figure, using multiplication.



.....

Question 7 | Multiples of 5 [___ × 5 and 5 × ___]



1. Study: 5, 10, 15, 20, 25, 30 ... are multiples of 5.

2. Fill in the first ten multiples of 5.

	1	2	3	4	5	6	7	8	9	10
× 5										

3. Complete: a) The 7th multiple of five =

b) 50 is times bigger than 5.

4. Complete:

a) 2 fives = b) 4 fives = c) 8 fives =

d) 3 fives = e) 5 fives = f) 9 fives =

5. True or False? a) $4 \times 5 = 4 + 4 + 4 + 4$

b) 7 fives = 5 sevens

c) $9 \times 5 = 95$

6. Complete:

a) $2 \times 5 = \dots\dots$

$5 \times 2 = \dots\dots$

b) $4 \times 5 = \dots\dots$

$5 \times 4 = \dots\dots$

c) $6 \times 5 = \dots\dots$

$5 \times 6 = \dots\dots$

d) $8 \times 5 = \dots\dots$

$5 \times 8 = \dots\dots$

e) $9 \times 5 = \dots\dots$

$5 \times 9 = \dots\dots$

f) $5 \times 5 = \dots\dots$

$10 \times 5 = \dots\dots$



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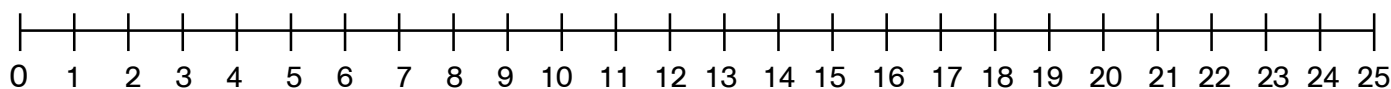
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7. Draw arrows on the number line to show: a) 2×5 . *Think: 2 groups of 5.*

b) 5×5 . *Think: 5 groups of 5.*

a)



b)

8. The first eight multiples of five are 5,

9. Complete: a) $3 \times \dots\dots = 15$ b) $6 \times \dots\dots = 30$ c) $\dots\dots \times 5 = 20$ d) $\dots\dots \times 5 = 45$

Question 8 | **×10**

1. Study: 10, 20, 30, 40, 50, 60 ... are multiples of 10.

We are counting in tens.



2. Fill in the first ten multiples of 10.

	1	2	3	4	5	6	7	8	9	10
× 10										

3. Complete:

- a) 3 tens b) 5 tens c) 7 tens d) 9 tens e) 10 tens
- = 3×10 = $5 \times \dots$ = $\dots \times \dots$ = $\dots \times \dots$ = $\dots \times \dots$
- = 30 = \dots = \dots = \dots = \dots

4. Complete the table.

	Repeated addition	In words	Multiplication form	Answer
a)	$10 + 10 + 10$	3 tens	3×10	30
b)	$10 + 10 + 10 + 10$			
c)	$10 + 10$			
d)	$10 + 10 + 10 + 10 + 10$			

5. Study: Two numbers can be multiplied in any order: $2 \times 10 = 10 \times 2$
 2 tens = ten twos

6. Complete: a) $3 \times 10 = \dots$ b) $10 \times \dots = 60$ c) $5 \times 10 = \dots$ d) $\dots \times 9 = 90$

7. Study: a) $5 + 0 = 5$ Adding zero to a number does not change its value.

b) $5 \times 10 = 50$ Multiplying a number by 10 makes it 10 times bigger.

8. True or False? a) $8 \times 10 = 8 + 0$ b) $3 \times 10 = 10 + 10 + 10$

9. There are 3 babies. How many:



a) fingers does 1 baby have?

b) fingers do the 3 babies have altogether?

Question 9 | Mixed Questions and Words Sums [$\times 2 - \times 5$ and $\times 10$]

1. Write your answers as quickly as possibly.

- | | | |
|------------------------------|------------------------------|------------------------------|
| a) $2 \times 3 = \dots\dots$ | b) $4 \times 4 = \dots\dots$ | c) $8 \times 3 = \dots\dots$ |
| $4 \times 2 = \dots\dots$ | $6 \times 3 = \dots\dots$ | $7 \times 4 = \dots\dots$ |
| $3 \times 3 = \dots\dots$ | $5 \times 4 = \dots\dots$ | $9 \times 3 = \dots\dots$ |
| $2 \times 5 = \dots\dots$ | $7 \times 3 = \dots\dots$ | $6 \times 5 = \dots\dots$ |
| $7 \times 2 = \dots\dots$ | $6 \times 4 = \dots\dots$ | $9 \times 4 = \dots\dots$ |

2. Complete:

- | |
|--------------------------------|
| a) $3 \times \dots\dots = 12$ |
| b) $5 \times \dots\dots = 15$ |
| c) $\dots\dots \times 4 = 16$ |
| d) $\dots\dots \times 5 = 35$ |
| e) $10 \times \dots\dots = 40$ |

3. Mark each correct answer with “√”. If the answer is wrong, write the correct answer.

- | | | |
|----------------------------|-----------------------|------------------------------------|
| a) 3 twos = 6 | d) $2 + 2 = 22$ | g) $6 \times 4 = 4 \times 6$ |
| b) $4 \times 4 = 44$ | e) $7 + 0 = 70$ | h) $4 \times 8 = 48$ |
| c) $7 \times 4 = 28$ | f) 8 fives = 40 | i) Ten fives = 105 |

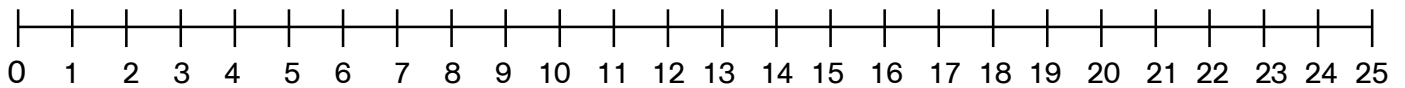


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4. Draw arrows on the number line to show: a) 5×4 . b) 4×5 .

a)



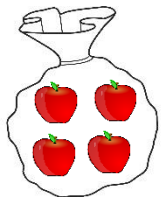
b)

5. There are two bananas in one packet. How many bananas are there in:



- | | |
|--------------------------------|---------------------|
| a) 3 packets? $3 \times 2 = 6$ | b) 4 packets? |
| c) 6 packets? | d) 8 packets? |

6. Mr Green packs 4 apples into a bag. How many apples will there be in:



- | | | |
|------------------|------------------|------------------|
| a) 2 bags? | b) 5 bags? | c) 9 bags? |
|------------------|------------------|------------------|

7. Nico plants apple trees in rows of seven trees each.

How many trees will he plant if he plants 3 rows?

Question 10 | Multiples of 6 [___ × 6 and 6 × ___]

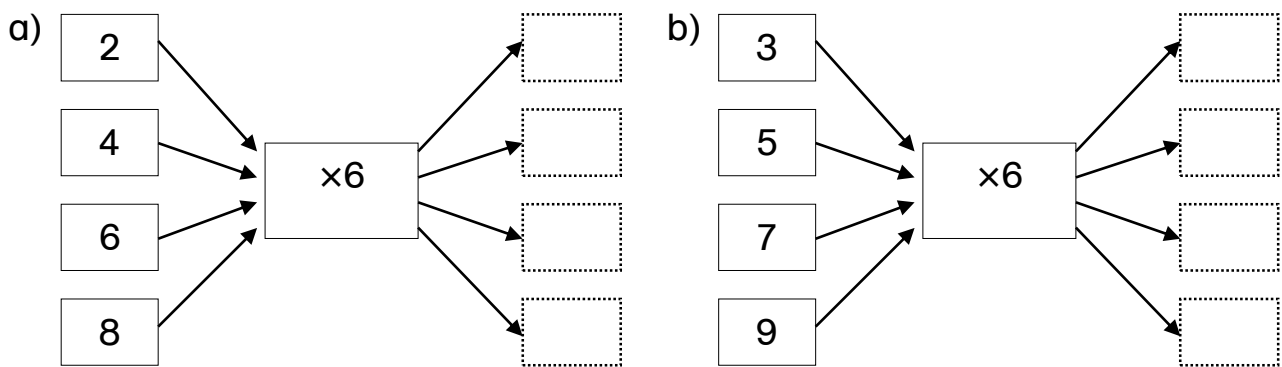
1. Fill in the first ten multiples of 6.

	1	2	3	4	5	6	7	8	9	10
× 6	6	12	18				42			

2. Complete:

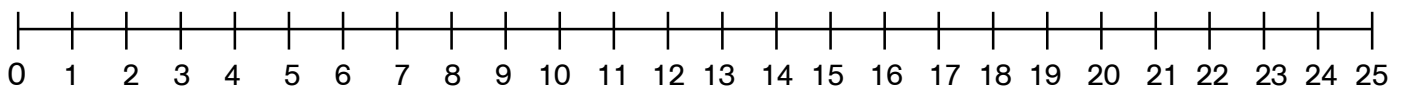
	Repeated addition	In words	Multiplication form	Answer
a)	6 + 6 + 6	3 sixes	3 × 6	18
b)	6 + 6 + 6 + 6			
c)	6 + 6 + 6 + 6 + 6			

3. Complete the following flow diagrams.



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4. Draw arrows below the number line to show 4 × 6.

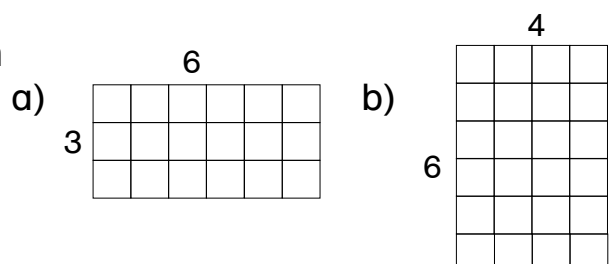


5. Complete:

- a) $2 \times 6 = \dots$ b) $5 \times 6 = \dots$ c) $6 \times 6 = \dots$ d) $6 \times 7 = \dots$
 $4 \times 6 = \dots$ $6 \times 5 = \dots$ $8 \times 6 = \dots$ $6 \times 9 = \dots$

6. Find the number of small squares in each figure by writing a multiplication sum.

- a) b)



Question 11 | Multiples of 7 [___ × 7 and 7 × ___]

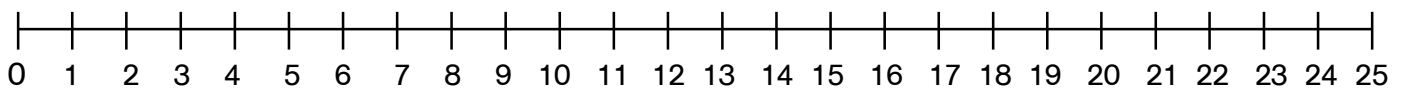
1. Fill in the first ten multiples of 7.

	1	2	3	4	5	6	7	8	9	10
× 7	7	14				42				

2. Complete the table.

	Repeated addition	In words	Multiplication form	Answer
a)	$7 + 7$	2 sevens	2×7	14
b)	$7 + 7 + 7$			
c)	$7 + 7 + 7 + 7$			
d)	$7 + 7 + 7 + 7 + 7$			

3. Draw arrows on the number line to show 3×7 , below the line.



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4. Complete: a) The 6th multiple of seven =

b) 70 is times bigger than 7.

5. True or False? $7 + 7 + 7 + 7 = 21$

6. Complete:

a) $2 \times 7 = \dots$ b) $4 \times 7 = \dots$ c) $6 \times 7 = \dots$ d) $8 \times 7 = \dots$
 $7 \times 2 = \dots$ $7 \times 4 = \dots$ $7 \times 7 = \dots$ $9 \times 7 = \dots$

7. The first nine multiples of seven are 7 , 14 ,

8. Complete: a) $2 \times \dots = 14$ b) $4 \times \dots = 28$ c) $\dots \times 7 = 49$ d) $\dots \times 7 = 63$

Question 12 | Multiples of 8 [___ × 8 and 8 × ___]

1. Fill in the first ten multiples of 8.

	1	2	3	4	5	6	7	8	9	10
× 8	8	16						64		

2. Complete the table.

	Repeated addition	In words	Multiplication form	Answer
a)	8 + 8	2 eights	2 × 8	16
b)	8 + 8 + 8			
c)	8 + 8 + 8 + 8			
d)	8 + 8 + 8 + 8 + 8			

3. Complete:

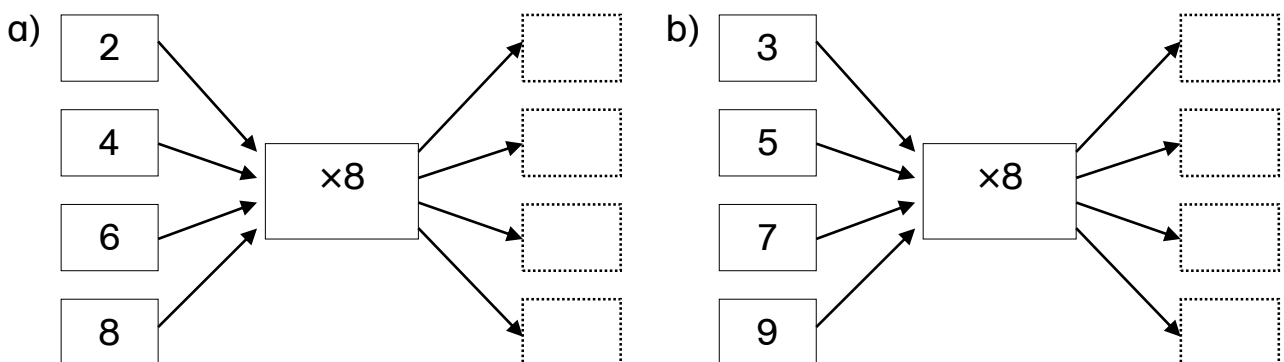
- a) $3 \times 8 = \dots\dots$ b) $4 \times 8 = \dots\dots$ c) $6 \times 8 = \dots\dots$ d) $7 \times 8 = \dots\dots$
 $8 \times 3 = \dots\dots$ $5 \times 8 = \dots\dots$ $8 \times 6 = \dots\dots$ $9 \times 8 = \dots\dots$



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4. Complete the following flow diagrams.



5. Complete: a) The 7th multiple of eight =

b) 80 is times bigger than 8.

6. True or False? $4 \times 8 = 34$

7. Complete: a) $3 \times \dots\dots = 24$ b) $5 \times \dots\dots = 40$ c) $\dots\dots \times 8 = 56$ d) $\dots\dots \times 8 = 64$

Question 13 | Multiples of 9 [___ × 9 and 9 × ___]

1. Fill in the first ten multiples of 9.

	1	2	3	4	5	6	7	8	9	10
× 9										

2. Fill in the first ten multiples of 10.

	1	2	3	4	5	6	7	8	9	10
× 10										

3. Complete:

- a) 10 twos = b) 10 fours = c) 10 sixes = d) 10 nines =
 - 1 two = _____ - 1 four = _____ - 1 six = _____ - 1 nine = _____
 9 twos = 9 fours = 9 sixes = 9 nines =

4. Complete:

- a) $2 \times 9 = \dots\dots$ b) $4 \times 9 = \dots\dots$ c) $6 \times 9 = \dots\dots$ d) $8 \times 9 = \dots\dots$
 $3 \times 9 = \dots\dots$ $9 \times 4 = \dots\dots$ $9 \times 6 = \dots\dots$ $9 \times 9 = \dots\dots$



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5. True or False? $9 + 9 + 9 = 27$

6. Complete: a) The 4th multiple of nine =

b) 90 is times bigger than 9.

7. Complete:

- a) $9 \times 3 = \dots\dots$ b) $5 \times 9 = \dots\dots$ c) $7 \times 9 = \dots\dots$ d) $9 \times 10 = \dots\dots$

8. The first seven multiples of nine are

9. Complete: a) $9 \times \dots\dots = 18$ b) $4 \times \dots\dots = 36$ c) $\dots\dots \times 8 = 72$ d) $\dots\dots \times 9 = 81$

Question 14a | $\times 1$ and $\times 0$

1. Study: 3 times 1 means “3 ones” and 1 times 3 means “1 three”.

$$3 \times 1 = 3$$

Think: $1 + 1 + 1 = 3$

$$1 \times 3 = 3$$

Think: $3 = 3$

2. Complete: a) $1 \times 2 = \dots$ b) $1 \times 5 = \dots$ c) $1 \times 8 = \dots$ d) $6 \times \dots = 6$

3. Study: Just as $1 + 1 + 1 = 3$ means $3 \times 1 = 3$

so $0 + 0 + 0 = 0$ means $3 \times 0 = 0$.

When a number is multiplied by zero the answer is always zero.



4. Complete: a) $0 + 0 = \dots$ b) $0 + 0 + 0 + 0 = \dots$ c) $0 + 0 + 0 + 0 + 0 + 0 = \dots$

5. Complete: a) $2 \times 0 = \dots$ b) $6 \times 0 = \dots$ c) $0 \times 9 = \dots$ d) $7 \times \dots = 0$
“2 zeros”

6. True or False? a) $4 \times 0 = 40$ b) 8 ones = 81

7. Complete:

a) $12 \times 1 = 12$ b) $18 \times 1 = \dots$ c) $25 \times 0 = \dots$ d) $1 \times 79 = \dots$
 $12 \times 0 = 0$ $18 \times 0 = \dots$ $25 \times 1 = \dots$ $79 \times 0 = \dots$

Question 14b | Mixed Questions

[Up to $\times 10$]

1. Complete:

a) $3 \times 7 = \dots$ b) $4 \times 6 = \dots$ c) $6 \times 8 = \dots$ d) $6 \times 9 = \dots$
 $3 \times 9 = \dots$ $4 \times 8 = \dots$ $7 \times 8 = \dots$ $9 \times 9 = \dots$

2. Mark each correct answer with a “✓”.

If the answer is incorrect, write the correct answer.

a) 3 fours = 12 d) $96 \times 1 = 69$ g) $9 \times 8 = 78$
 b) $5 \times 6 = 30$ e) 4 eights = 32 h) 7 sixes = 76
 c) $7 \times 0 = 70$ f) $7 \times 7 = 47$ h) $8 \times 9 = 9 \times 8$

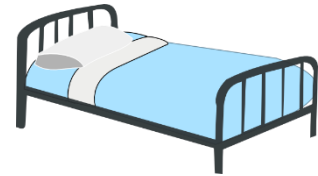
Question 15 | Words Sums

[Up to $\times 10$]

1. There are 6 books in one box.
How many books will there be in 4 boxes?

2. How many legs are there altogether on:

a) 3 beds? b) 7 beds?



3. There are 10 cars.
Each car has 5 seats.

There are seats in total.

4. There are 6 shelves with
9 books on each.

There are books in total.

5. Hannes buys four cupcakes for R5 each and five muffins for R7 each.

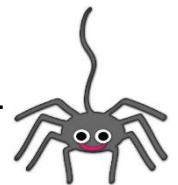
- a) Amount spent on the cupcakes =
- b) Amount spent on the muffins =
- c) Total amount spent =



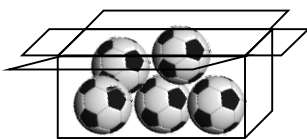
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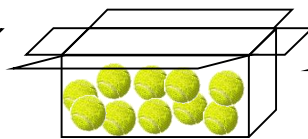
6. A spider has eight legs.
How many legs do 9 spiders have altogether?



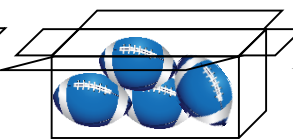
7. Study the number of balls in each of the following boxes.



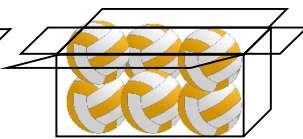
5 soccer balls



10 tennis balls



4 rugby balls



6 netball balls

- How many:
- a) soccer balls will there be in 2 boxes?
 - b) tennis balls will there be in 3 boxes?
 - c) rugby balls will there be in 9 boxes?
 - d) netball balls will there be in 7 boxes?