

L.O: Revision Lesson

- 1) Estimate the total of 36,422 and 9,981?
- 2) Add 4,986 to 9,999
- 3) What is the value of the digit 5 in the number 397,541?
- 4) Compare the number sentence using $<$, $>$ or $=$

$$4.91 \quad \bigcirc \quad 4.19$$

L.O: Revision Lesson

- 1) Estimate the total of 36,422 and 9,981? **46,000**
- 2) Add 4,986 to 9,999 **14,985**
- 3) What is the value of the digit 5 in the number 397,541?
Five hundred
- 4) Compare the number sentence using $<$, $>$ or $=$

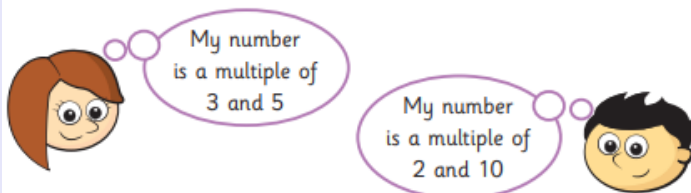
$$4.91 \quad \bigcirc \quad 4.19$$

Here is part of a hundred square.

11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

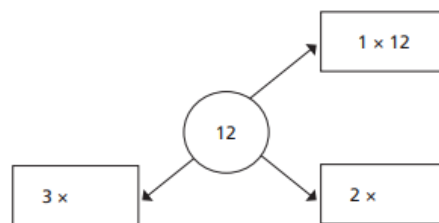
- a) Colour the multiples of 3
- b) Draw a circle around all the multiples of 2
- c) Some numbers have been coloured **and** circled.
What do you notice about these numbers?

Rosie and Jack are each thinking of a number.



Could they be thinking of the same number?
Explain your answer.

- a) Complete the diagram to show the pairs of numbers that multiply to make 12



List all the factors of 12

- b) Draw a similar diagram to show the pairs of numbers that multiply to make 24

List all the factors of 24

How do we know that these statements are true?

- a) 5 is a factor of 195 but not a factor of 196
- b) 3 is a factor of 177 but not a factor of 178
- c) 20 is a factor of 180 but not a factor of 190

Here are some numbers.

126	175	2,378	777	381	9,000
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Jack: The numbers are big. It's hard to check if they are prime.

Annie: I can tell quickly that none of these numbers are prime.

How does Annie know that none of the numbers are prime?

Teddy writes five consecutive numbers.
Three of the numbers are prime.
What are the five consecutive numbers?

Complete the statements.

a) $6^2 = \square$

d) $0^2 = \square$

b) $12^2 = \square$

e) $\square^2 = 100$

c) $\square = 9^2$

f) $64 = \square^2$

Huan is celebrating his birthday.

His age is a square number.

Last year he was a multiple of 12

Next year he will be a multiple of 10

How old is Huan?

In 2019, 568,000 houses were built.
In 2018, 10 times fewer houses were built.
In 2017, 100 times fewer houses were built.
a) How many houses were built in 2018?
b) How many houses were built in 2017?
c) How many houses were built between 2017 and 2019?

Match the calculations to the answers.
One has been done for you.

8×40	$3,200$
$3,200 \div 80$	320
4×800	40
$32,000 \div 40$	800

A football pitch is 128 m long and 52 m wide.

a) What is the area of the pitch?

b) A field is 25,000 m².

How many football pitches could fit in it?

Miss Rose is ordering some pencils.

She orders 17 of pack A, 14 of pack B and 4 of pack C.

Pack A



Pack B



Pack C



How many pencils does Miss Rose order?

Each pencil costs 16p.

How much does Miss Rose spend on pencils?

Books are available to buy in three different deals.

Deal A	Deal B	Deal C
		
£12.99	£38.16	£25.60

Which is the best deal?
Show your workings.

There are 459 children in a school.
They are sitting at tables in groups of 7



We will need 65 tables.

Do you agree with Mo?
Explain your answer.

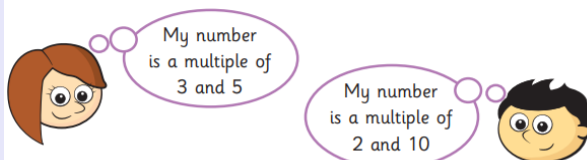
Answers

Here is part of a hundred square.

11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

- a) Colour the multiples of 3
- b) Draw a circle around all the multiples of 2
- c) Some numbers have been coloured **and** circled.
What do you notice about these numbers?

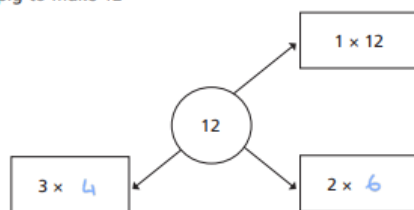
Rosie and Jack are each thinking of a number.



Could they be thinking of the same number? Yes
Explain your answer.

They could be thinking of 30, 60 etc.

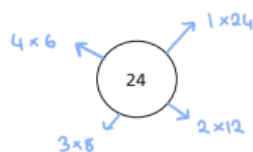
- a) Complete the diagram to show the pairs of numbers that multiply to make 12



List all the factors of 12

1, 2, 3, 4, 6, 12

- b) Draw a similar diagram to show the pairs of numbers that multiply to make 24



List all the factors of 24

1, 2, 3, 4, 6, 8, 12, 24

How do we know that these statements are true?

- a) 5 is a factor of 195 but not a factor of 196

195 ends in 5 so 5 is a factor. 196 is one more than a multiple of 5 so 5 isn't a factor.

- b) 3 is a factor of 177 but not a factor of 178

1+7+7=15 15 is a multiple of 3 so 3 is a factor of 177 therefore not a factor of 178

- c) 20 is a factor of 180 but not a factor of 190

180 ÷ 20 = 9 190 is 10 more than 180 so 20 can't be a factor.

126	175	2,378	777	381	9,000
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Jack

The numbers are big. It's hard to check if they are prime.

I can tell quickly that none of these numbers are prime.



Annie

How does Annie know that none of the numbers are prime?

126, 2378 and 9000 have 2 as a factor so aren't prime. 175 has 5 as a factor. 777 has 7 as a factor. $3+8+1=12$ so 3 is a factor of 381

Teddy writes five consecutive numbers.

Three of the numbers are prime.

What are the five consecutive numbers?

2, 3, 4, 5, 6

Complete the statements.

a) $6^2 =$ 36

d) $0^2 =$ 0

b) $12^2 =$ 144

e) 10² = 100

c) 81 = 9^2

f) $64 =$ 8²

Huan is celebrating his birthday.

His age is a square number.

Last year he was a multiple of 12

Next year he will be a multiple of 10

How old is Huan?

49

In 2019, 568,000 houses were built.
In 2018, 10 times fewer houses were built.
In 2017, 100 times fewer houses were built.

a) How many houses were built in 2018?

56,800 houses

b) How many houses were built in 2017?

5,680 houses

c) How many houses were built between 2017 and 2019?

630,480 houses

Match the calculations to the answers.
One has been done for you.

8×40	3,200
$3,200 \div 80$	320
4×800	40
$32,000 \div 40$	800

A football pitch is 128 m long and 52 m wide.

a) What is the area of the pitch?

6,656 m²

b) A field is 25,000 m².

How many football pitches could fit in it?

3

Miss Rose is ordering some pencils.

She orders 17 of pack A, 14 of pack B and 4 of pack C.

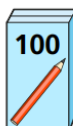
Pack A



Pack B



Pack C



How many pencils does Miss Rose order?

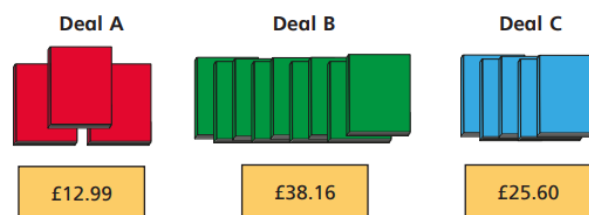
697

Each pencil costs 16p.

How much does Miss Rose spend on pencils?

£111.52

Books are available to buy in three different deals.



Which is the best deal?

Deal B

There are 459 children in a school.

They are sitting at tables in groups of 7



We will need
65 tables.

Do you agree with Mo? No

Explain your answer. will need 66 tables