

Number Fans/Digit Card Activities

Advanced counters

Hold up a number 5 more than ...

Hold up a number 10 more than 13
20 more than...

Hold up 87...
125
490...

Hold up 4 more than 7... now 4 more than that ... now 4 more than that...

Hold up a number bigger than 25 [also use more than and greater than]
Smaller than 8 [also use less than]

Hold up an odd number
an even number

Hold up double 6 [doubles to 10]
Half of ... [halves to 20]

Hold up a two digit number...a three digit number...

I am holding up 4 fingers. How many more to make 10?...13...

Hold up a multiple of 2, 5, 10 [later on most tables]

As a sequence What's $6 + 7?$
 $16 + 7?$
 $26 + 7?$
 $36 + 7?$
 $86 + 7?$
 $96 + 7?$

Something similar in reverse, like $6 + 17$

One day Give 3-4 digit cards out e g 3 8 7 1

- What is the largest number you can make?
- What's the smallest number you can make?
- How many different numbers can you make?
- Put the numbers in order of size, from smallest to largest

Number Fans/Digit Card Activities

Early additive part-whole

All of the above plus

Hold up double 6 [doubles to 100]

Half of ... [halves to 100]

If $7 \times 10 = 70$, what is 7×5 ?

Hold up a four digit number...(1205, 3137, 4049, 1050, 3002)

Hold up an odd number

Even number

Hold up near doubles – like double 7 plus 2 or double 9 minus 1

Hold up eight minus one

7 plus 5

Hold up a number 100 more than 2345

200 more than 2345

Hold up a number greater than ...

Less than ...

Hold up a factor of six

a prime number

A multiple of 3 (or 4, 11, 9)

If $5 \times 4 = 20$, what is 6×4 ?

Or 4×4 ?

How many 5's in 20? 4's in 24?

I halve 24 and halve again, what number do I get?

Hold up 6×10 [2,5, and 10 times tables]

Hold up 3 numbers that add to 10

20

12

15

Show me the multiplication that I can use to work out the answer to this problem “In a block of chocolate, there are 6 rows, each with 5 squares”. (How many squares of chocolate in the block?” may need to be added here)

Number Fans/Digit Card Activities

Advanced additive part-whole

All of the above plus...

Hold up a quarter of 36
Third of 36

I divided 25 by a number to get 5, what was that number?

I multiply 3 by a number to get 12, what was the number?

Show me a number that goes exactly into 42?

Show me 7×9 [all tables up to 10×10]

Hold up 6×6 (or six squared) [square numbers]

Hold up the square root of 36

3 out of 50 get excellence in a test. What percentage is this?

Show me 2.3...12.94...3.06...0.7...

Show me a decimal greater than 3.5...
Less than 0.7
Greater than 2.78 but less than 3

Show me a decimal with a 3 in the tenths column

A decimal between 1 and 2
1.1 and 1.2

Is 0.69 greater than or less than 0.7? Hold up the sign the right way
Which is smaller, 0.69 or 0.7?

Show me a square number
a triangular number

Hold up the sum of 4 and 6
the difference between 12 and 20

Number Fans/Digit Card Activities

Advanced multiplicative part-whole

All of the above plus...

What is one more than 12.54

One tenth more than ...

Hold up two cubed

What is the cubed root of 8 [small numbers only]

Hold up a number less than -2

Greater than -5

Between -2 and 1

What is 0.75 as a percentage?

What is 75% as a decimal?

What is one eighth as a decimal?

What is 25% of 60 ?

Round 36.44 to one decimal place

Hold up 1.2 plus 1.2

1.2 plus 0.12

Hold up 3.4 minus 0.2

Subtract 1.3 from 3.5

What is the difference between 1.7 and 3.4 ?

Show me a number between 0.2 and 0.3

A car is travelling at a speed of 50kph for half an hour – how far does it travel?

One type of purple paint is made by mixing red and blue paint in a ratio of $1:2$. If I mix up a batch of this colour using 3L of red, how many Litres of blue do I need?

Show me a Fibonacci number

a power of 2

Hold up 3 numbers that multiply to make 10

Hold up 3 numbers that multiply to make 30 (none of the numbers can be 1)

Hold up the product of 3 and 7

the quotient of 20 and 4

Number Fans/Digit Card Activities

Advanced proportional

All of the above plus...

A shop has a coat marked at \$65. It is in a 20% discount sale, how much will you pay?

$$-3 \times -5$$

$$-2 + -4$$

Estimate the answer to 32.6×0.19

Estimate one third of 200

Pink paint is mixed in a ratio of 1 red to 3 white. If Anne makes up a batch of 12 L of pink paint, how many Litres of white did she use?

What is 20% of \$250?

What is 3!

Increase 0.7 by 10%

A pair of jeans is in a sale. The normal price is \$75. You can get a 20% discount. How much should you pay?