Target – To all my number bonds for numbers up to 20

Key Vocabulary:

add   subtract   more than   less than

Hints:
Get children to see the relationship between + and -
Point out the 'fact families' to children
Identify patterns to children

Activities

2 + 9 = 11	5 + 9 = 14
3 + 8 = 11	6 + 8 = 14
4 + 7 = 11	7 + 7 = 14
5 + 6 = 11	6 + 9 = 15
3 + 9 = 12	7 + 8 = 15
4 + 8 = 12	7 + 9 = 16
5 + 7 = 12	8 + 8 = 16
6 + 6 = 12	8 + 9 = 17
4 + 9 = 13	9 + 9 = 18

5 + 8 = 13

6 + 7 = 13

Example of a fact family

6 + 9 = 15
9 + 6 = 15
15 – 9 = 6
15 – 9 = 6

Examples of other facts

4 + 5 = 9
13 + 5 = 18
19 – 7 = 12
10 – 6 = 4

Questions:

What do I add to 8 to get 15?
I have 9 but want 20, how many more do I need?
How many calculations can you write with 12 as the answer?
Give me the fact family for 15, 9 and 6.

Fun
Use brick / Lego towers to show and create the calculations

Give children one calculation i.e 3+8 = 11. What other calculations can they create? 8+3 = 11, 11 – 8 = 3, 11 – 3 = 8

Give children calculations with some wrong answers, they play teacher and 'mark' the calculations

Key Questions
- Do children understand that 3 + 8 and 8 + 3 = 11, but 8 – 3 and 3 – 8 will not give the same answers?
- Can children recall the facts without having to use a certain method to 'work out' the calculations?

You buy one……….

4 + 9 = 13

You get 3 free
………
9 + 4 = 13
13 – 4 = 9
13 – 9 = 4

Target – To know multiplication and division facts for 3 times table

Key Vocabulary:

multiply   divide   lots of   groups of
share

Hints:
Get children to see the relationship between x and ÷
Point out the 'number families' to children
Identify patterns to children
Add 1 lot' on to 2 x table to quickly find answers

Activities

3 × 1 = 3	1 × 3 = 3	3 ÷ 3 = 1	3 ÷ 1 = 3
3 × 2 = 6	2 × 3 = 6	6 ÷ 3 = 2	6 ÷ 2 = 3
3 × 3 = 9	3 × 3 = 9	9 ÷ 3 = 3	9 ÷ 3 = 3
3 × 4 = 12	4 × 3 = 12	12 ÷ 3 = 4	12 ÷ 4 = 3
3 × 5 = 15	5 × 3 = 15	15 ÷ 3 = 5	15 ÷ 5 = 3
3 × 6 = 18	6 × 3 = 18	18 ÷ 3 = 6	18 ÷ 6 = 3
3 × 7 = 21	7 × 3 = 21	21 ÷ 3 = 7	21 ÷ 7 = 3
3 × 8 = 24	8 × 3 = 24	24 ÷ 3 = 8	24 ÷ 8 = 3
3 × 9 = 27	9 × 3 = 27	27 ÷ 3 = 9	27 ÷ 9 = 3
3 × 10 = 30	10 × 3 = 30	30 ÷ 3 = 10	30 ÷ 10 = 3
3 × 11 = 33	11 × 3 = 33	33 ÷ 3 = 11	33 ÷ 11 = 3
3 × 12 = 36	12 × 3 = 36	36 ÷ 3 = 12	36 ÷ 12 = 3

Questions:

What is 3 multiplied by 6?
What is 9 times 3?
What is 27 divide by 9?

Fun:

Write down the calculations in different orders.
Race each other to see who can finish them first.

Create a times table/division rap

Play teacher – Children ask you questions, you give right or wrong answers, they then have to tell you whether you are right or wrong

Key Questions

- Can children explain the link between different calculations?
- Can children show a calculation using actual objects?
- Can children show that multiplication is commutative (can be done either way) but division isn't

3 x 4 = 12 and 4 x 3 = 12.
So why don't I get the same answer for 12 ÷ 4 and 4 ÷ 12 ?

What 4 calculations could the Pikachus represent?

Target – I can recall facts about duration of time

Key Vocabulary:

Day   month   year
seconds   minutes   hours

Hints:
Use this vocabulary in everyday conversation
Make links between this vocabulary and facts and every day events

Activities

Questions:

What day comes after the 30ᵗʰ April?
What day comes before the 1ˢᵗ February?
What will the date be next Tuesday?
How many seconds are in 3minutes?

Facts about TIME
60 Seconds in one minute
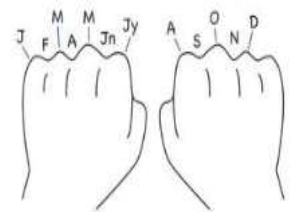60 minutes in one hour
24 hours in one day
7 days in one week
52 weeks in one year
365 days in one year
12 months in one year

30 days have September, April, June and November. All the rest have 31. Excepting February which has 28 days clear and 29 each leap year.

2020 Calendar

Key Questions

- Can children estimate the amount of time that has passed?
- Can children work out what the date will be 'next Tuesday'?
- Can children work out what the day will be on 'December 4ᵗʰ'

Hmmmm, today is Tuesday 28ᵗʰ October, what will the date be next Tuesday?

Close your eyes and tell me when you think 1 minute is over.

Target – To know multiplication and division facts for the 4 time tables

Key Vocabulary:

multiply   divide   lots of   groups of   share

Hints:
Get children to see the relationship between x and ÷
Point out the 'number families' to children
Identify patterns to children
Double 4 x table to quickly find answers

Activities

$4 \times 1 = 4$	$1 \times 4 = 4$	$4 \div 4 = 1$	$4 \div 1 = 4$
$4 \times 2 = 8$	$2 \times 4 = 8$	$8 \div 4 = 2$	$8 \div 2 = 4$
$4 \times 3 = 12$	$3 \times 4 = 12$	$12 \div 4 = 3$	$12 \div 3 = 4$
$4 \times 4 = 16$	$4 \times 4 = 16$	$16 \div 4 = 4$	$16 \div 4 = 4$
$4 \times 5 = 20$	$5 \times 4 = 20$	$20 \div 4 = 5$	$20 \div 5 = 4$
$4 \times 6 = 24$	$6 \times 4 = 24$	$24 \div 4 = 6$	$24 \div 6 = 4$
$4 \times 7 = 28$	$7 \times 4 = 28$	$28 \div 4 = 7$	$28 \div 7 = 4$
$4 \times 8 = 32$	$8 \times 4 = 32$	$32 \div 4 = 8$	$32 \div 8 = 4$
$4 \times 9 = 36$	$9 \times 4 = 36$	$36 \div 4 = 9$	$36 \div 9 = 4$
$4 \times 10 = 40$	$10 \times 4 = 40$	$40 \div 4 = 10$	$40 \div 10 = 4$
$4 \times 11 = 44$	$11 \times 4 = 44$	$44 \div 4 = 11$	$44 \div 11 = 4$
$4 \times 12 = 48$	$12 \times 4 = 48$	$48 \div 4 = 12$	$48 \div 12 = 4$

Questions:

What is 4 multiplied by 6?
What is 9 times 4?
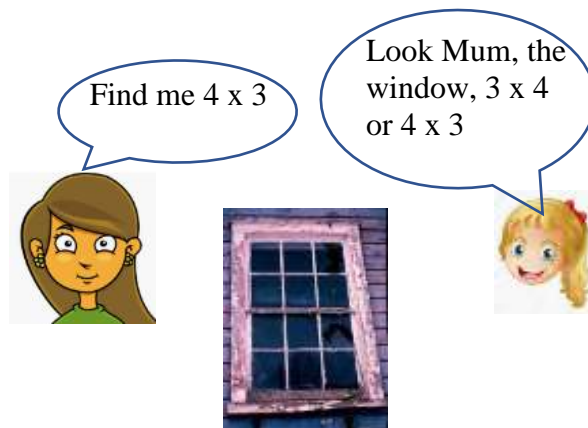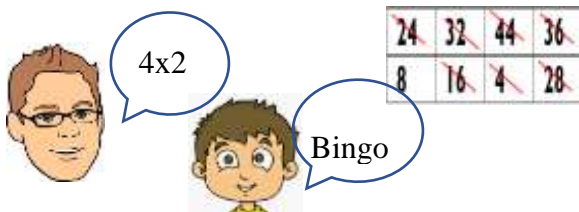What is 24 divide by 6?

Fun:

Scavenger hunt – Give children a calculation, they have to get a number of items to represent the answer

Bingo – Children to write down 8 multiples of 4. Call out multiplication questions, if the children have the answer they can tick it off. When they tick off all their number…BINGO!

Key Questions

- Can children show the link between a multiplication and the accompanying division calculation?
- Can children link these calculations to others, i.e $4 \times 5 = 20$, what does $40 \times 5 = ?$
- Can children use known facts to quickly find answers to other calculations? i.e
  $14 \times 4 =$
  10×4 and 4×4

4x2

24	32	44	36
8	16	4	28

Bingo

Find me 4 x 3

Look Mum, the window, 3 x 4 or 4 x 3

Target – To tell the time to 5 minutes interval instantly

Key Vocabulary:

O' clock Half past Quarter past Quarter to five past ten past twenty five past

Hints:
Have analogue clocks around the home
When 'out and about' point out clocks to children
Ensure children know what the hours and minutes on a clock are

Activities

Exposure
Tell children the time of certain events happening
Ask children what the time is at various points in the day

Games
"Show me 5 minutes past 3" children do this on a real clock
Draw clocks with chalk on the floor / walls

Fun
Children can wear an analogue watch
Give children a time when they can have a snack, responsibility falls to the child to come you at that time

Key Questions

- Can your child make links between an analogue clock and digital clock?
- Can children say what the time will be in 5, 10, 15 minutes time?

Come to me at 10 past 10 for a snack. Don't be late!

Target – To know multiplication and division facts for 8 times table

Key Vocabulary:

multiply   divide   lots of   groups of
share

Hints:
Get children to see the relationship between x and ÷
Point out the 'number families' to children
Identify patterns to children
Double 4 x table to quickly find answers

Activities

8 × 1 = 8	1 × 8 = 8	8 ÷ 8 = 1	8 ÷ 1 = 8
8 × 2 = 16	2 × 8 = 16	16 ÷ 8 = 2	16 ÷ 2 = 8
8 × 3 = 24	3 × 8 = 24	24 ÷ 8 = 3	24 ÷ 3 = 8
8 × 4 = 32	4 × 8 = 32	32 ÷ 8 = 4	32 ÷ 4 = 8
8 × 5 = 40	5 × 8 = 40	40 ÷ 8 = 5	40 ÷ 5 = 8
8 × 6 = 48	6 × 8 = 48	48 ÷ 8 = 6	48 ÷ 6 = 8
8 × 7 = 56	7 × 8 = 56	56 ÷ 8 = 7	56 ÷ 7 = 8
8 × 8 = 64	8 × 8 = 64	64 ÷ 8 = 8	64 ÷ 8 = 8
8 × 9 = 72	9 × 8 = 72	72 ÷ 8 = 9	72 ÷ 9 = 8
8 × 10 = 80	10 × 8 = 80	80 ÷ 8 = 10	80 ÷ 10 = 8
8 × 11 = 88	11 × 8 = 88	88 ÷ 8 = 11	88 ÷ 11 = 8
8 × 12 = 96	12 × 8 = 96	96 ÷ 8 = 12	96 ÷ 12 = 8

Questions:

What is 8 multiplied by 6?
What is 8 times 9?
What is 40 divide by 8?

Fun:

Write down the calculations in different orders.
Race each other to see who can finish them first.

Create a times table/division rap

Key Questions

- Can children explain the link between different calculations?
- Can children show a calculation using actual objects?

Show me what 8 x 9 looks like

You have 96 bricks. How many towers of 8 can you make?

Put your Lego in towers of 8. How many pieces of Lego have you got?