W/C 21st February 2022 Session 1

Challenge: Using the inverse to divide

Use partitioning and the inverse multiplication to solve these division problems.

Show how you solved the problems in your maths book.

1. 56 ÷ 4 =
2. 102 ÷ 6 =
3. 306 ÷ 3 =
4. 545 ÷ 5 =
5. 448 ÷ 4 =
6. 168 ÷ 8 =
7. 453 ÷ 3 =
8. 217 ÷ 7 =

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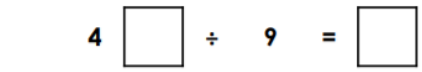
W/C 21st February 2022 Session 1

Challenge: Using the inverse to divide

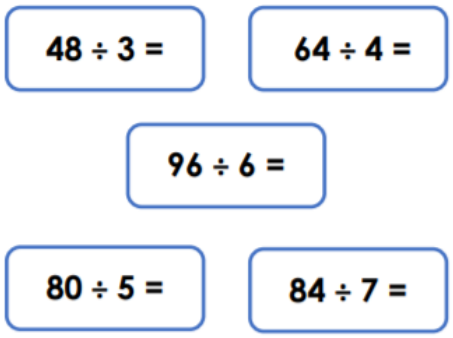
1. Three children have completed a calculation where both missing digits are the same. They have recorded the digit that they think is missing.



Amy	John	Karl
6	5	7

Who is correct? Explain how you know?

2. Which calculation is the odd one out?



Show your thinking and explain how you know.

3. I'm thinking of a number. I multiply it by 14 and add 11.

I get the same answer is I multiply by 4 and add 131. What's my number?

4. Make up an 'I'm thinking about a number…' problem for a friend. Your problem must involve multiplication and division.

W/C 21st February 2022 Session 2

Dividing with remainders

There are 29 children in the class.

In PE today, they need to be in groups of 4, in English they need to be in groups of 5 and in Topic, they need to be in pairs.

Use journalling to find out how many remainders there will be for each part of this problem:

* Record the division equations
* Write an explanation for each part of the problem.
* Show each part of the problem in a representation.

W/C 21st February 2022 Session 2

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W/C 21st February 2022 Session 2

Challenge: Dividing with remainders

In the English session, the children will be doing a drama and there are 5 different parts to be split between the group.

What do you think will be the fairest way to split the children who are not in a group of 5?

Explain and justify your answer

W/C 21st February 2022 Session 2

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W/C 21st February 2022 Session 2

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W/C 21st February 2022 Session 2

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In the English session, the children will be doing a drama and there are 5 different parts to be split between the group.

What do you think will be the fairest way to split the children who are not in a group of 5?

Explain and justify your answer

W/C 21st February 2022 Session 2

Chilli challenge: Dividing with remainders

In the PE session, the children will be doing a relay race against the other teams in teams of 4.

What do you think will be the fairest way to split the children who are not in a group of 4?

Explain and justify your answer

W/C 21st February 2022 Session 2

Chilli challenge: Dividing with remainders

In the PE session, the children will be doing a relay race against the other teams in teams of 4.

What do you think will be the fairest way to split the children who are not in a group of 4?

Explain and justify your answer

W/C 21st February 2022 Session 2

Chilli challenge: Dividing with remainders

In the PE session, the children will be doing a relay race against the other teams in teams of 4.

What do you think will be the fairest way to split the children who are not in a group of 4?

Explain and justify your answer

W/C 21st February 2022 Session 2

Chilli challenge: Dividing with remainders

In the PE session, the children will be doing a relay race against the other teams in teams of 4.

What do you think will be the fairest way to split the children who are not in a group of 4?

Explain and justify your answer

W/C 21st February 2022 Session 2

Chilli challenge: Dividing with remainders

In the PE session, the children will be doing a relay race against the other teams in teams of 4.

What do you think will be the fairest way to split the children who are not in a group of 4?

Explain and justify your answer

W/C 21st February 2022 Session 3

MPI: identifying known facts

Odd/Even?	Multiple of…
Double it:	Halve it:

Odd/Even?	Multiple of…
Double it:	Halve it:

Odd/Even?

Multiple of...

Double it:

Halve it:

Odd/Even?

Multiple of...

Double it:

Halve it:

Odd/Even?

Multiple of...

Double it:

Halve it:

W/C 21st February 2022 Session 4

MPI: Using what we know to divide

63 ÷ ☐ = ☐

Explore: Try and divide the dividend by all the times tables to find out which times tables it is divisible by. Use the number facts you know to help you.
Which times tables can you eliminate straight away? Why?
Journal your thinking.

Repeat for:
94 ÷ ☐ = ☐

W/C 21st February 2022 Session 4

MPI: Using what we know to divide

63 ÷ ☐ = ☐

Explore: Try and divide the dividend by all the times tables to find out which times tables it is divisible by. Use the number facts you know to help you.
Which times tables can you eliminate straight away? Why?
Journal your thinking.

Repeat for:
94 ÷ ☐ = ☐

W/C 21st February 2022 Session 4

MPI: Using what we know to divide

357 ÷ ☐ = ☐

Explore: Try and divide the dividend by all the times tables to find out which times tables it is divisible by. Use the number facts you know to help you.
Which times tables can you eliminate straight away? Why?
Journal your thinking.

Repeat for:
424 ÷ ☐ = ☐

W/C 21st February 2022 Session 4

MPI: Using what we know to divide

357 ÷ ☐ = ☐

Explore: Try and divide the dividend by all the times tables to find out which times tables it is divisible by. Use the number facts you know to help you.
Which times tables can you eliminate straight away? Why?
Journal your thinking.

Repeat for:
424 ÷ ☐ = ☐

W/C 21st February 2022 Session 4 Part 2

MPI: Using what we know to divide

Solve these division problems with remainders.

Show how you solved these problems in your maths book.

1. 26 ÷ 3 =
2. 33 ÷ 8 =
3. 57 ÷ 5 =
4. 73 ÷ 10 =
5. 128 ÷ 6 =

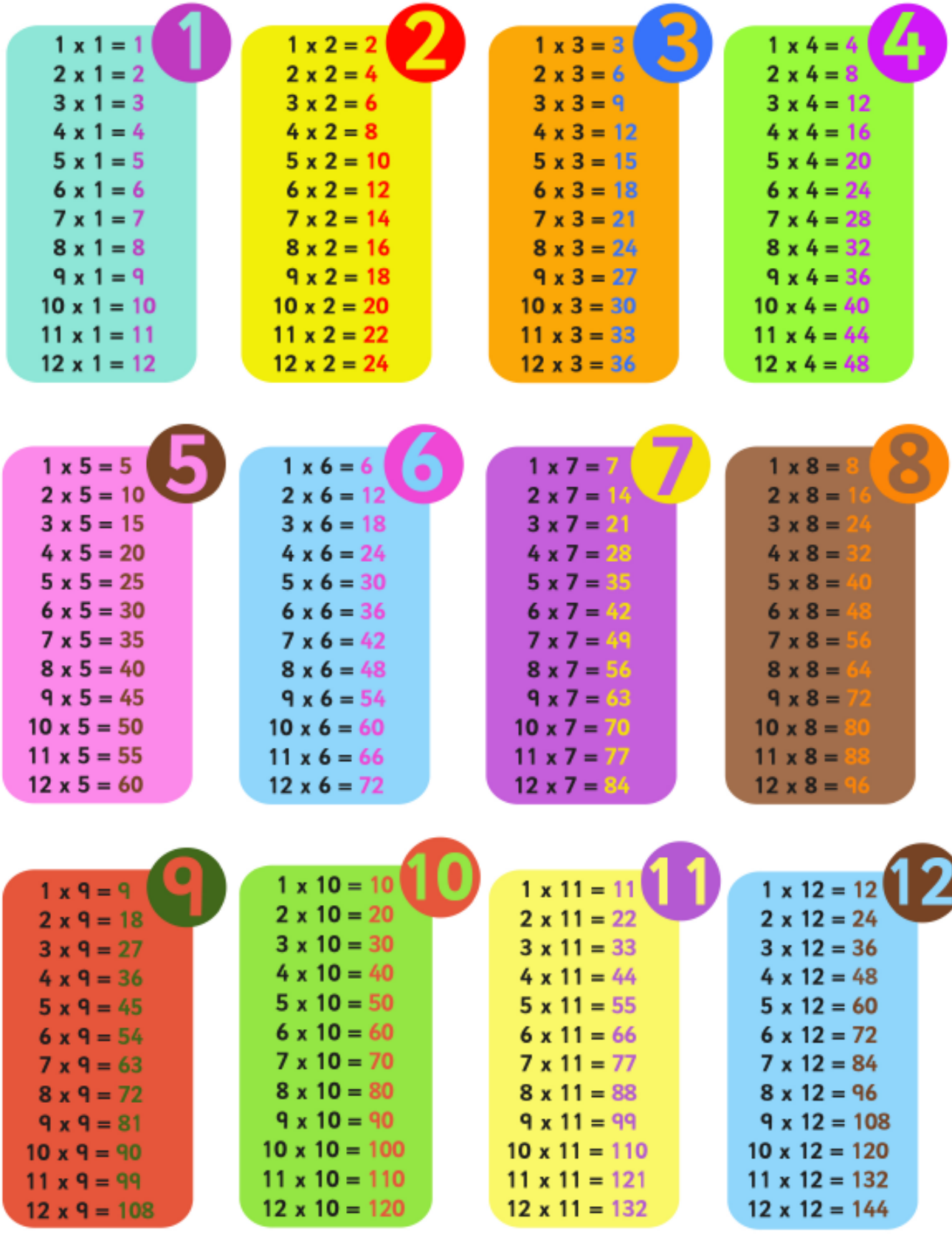
W/C 21st February 2022 Session 4 Part 2

MPI: Using what we know to divide

Solve these division problems with remainders.

Show how you solved these problems in your maths book.

1. 26 ÷ 3 =
2. 33 ÷ 8 =
3. 57 ÷ 5 =
4. 73 ÷ 10 =
5. 128 ÷ 6 =


1
1 x 1 = 1
2 x 1 = 2
3 x 1 = 3
4 x 1 = 4
5 x 1 = 5
6 x 1 = 6
7 x 1 = 7
8 x 1 = 8
9 x 1 = 9
10 x 1 = 10
11 x 1 = 11
12 x 1 = 12
2
1 x 2 = 2
2 x 2 = 4
3 x 2 = 6
4 x 2 = 8
5 x 2 = 10
6 x 2 = 12
7 x 2 = 14
8 x 2 = 16
9 x 2 = 18
10 x 2 = 20
11 x 2 = 22
12 x 2 = 24
3
1 x 3 = 3
2 x 3 = 6
3 x 3 = 9
4 x 3 = 12
5 x 3 = 15
6 x 3 = 18
7 x 3 = 21
8 x 3 = 24
9 x 3 = 27
10 x 3 = 30
11 x 3 = 33
12 x 3 = 36
4
1 x 4 = 4
2 x 4 = 8
3 x 4 = 12
4 x 4 = 16
5 x 4 = 20
6 x 4 = 24
7 x 4 = 28
8 x 4 = 32
9 x 4 = 36
10 x 4 = 40
11 x 4 = 44
12 x 4 = 48
5
1 x 5 = 5
2 x 5 = 10
3 x 5 = 15
4 x 5 = 20
5 x 5 = 25
6 x 5 = 30
7 x 5 = 35
8 x 5 = 40
9 x 5 = 45
10 x 5 = 50
11 x 5 = 55
12 x 5 = 60
6
1 x 6 = 6
2 x 6 = 12
3 x 6 = 18
4 x 6 = 24
5 x 6 = 30
6 x 6 = 36
7 x 6 = 42
8 x 6 = 48
9 x 6 = 54
10 x 6 = 60
11 x 6 = 66
12 x 6 = 72
7
1 x 7 = 7
2 x 7 = 14
3 x 7 = 21
4 x 7 = 28
5 x 7 = 35
6 x 7 = 42
7 x 7 = 49
8 x 7 = 56
9 x 7 = 63
10 x 7 = 70
11 x 7 = 77
12 x 7 = 84
8
1 x 8 = 8
2 x 8 = 16
3 x 8 = 24
4 x 8 = 32
5 x 8 = 40
6 x 8 = 48
7 x 8 = 56
8 x 8 = 64
9 x 8 = 72
10 x 8 = 80
11 x 8 = 88
12 x 8 = 96
9
1 x 9 = 9
2 x 9 = 18
3 x 9 = 27
4 x 9 = 36
5 x 9 = 45
6 x 9 = 54
7 x 9 = 63
8 x 9 = 72
9 x 9 = 81
10 x 9 = 90
11 x 9 = 99
12 x 9 = 108
10
1 x 10 = 10
2 x 10 = 20
3 x 10 = 30
4 x 10 = 40
5 x 10 = 50
6 x 10 = 60
7 x 10 = 70
8 x 10 = 80
9 x 10 = 90
10 x 10 = 100
11 x 10 = 110
12 x 10 = 120
11
1 x 11 = 11
2 x 11 = 22
3 x 11 = 33
4 x 11 = 44
5 x 11 = 55
6 x 11 = 66
7 x 11 = 77
8 x 11 = 88
9 x 11 = 99
10 x 11 = 110
11 x 11 = 121
12 x 11 = 132
12
1 x 12 = 12
2 x 12 = 24
3 x 12 = 36
4 x 12 = 48
5 x 12 = 60
6 x 12 = 72
7 x 12 = 84
8 x 12 = 96
9 x 12 = 108
10 x 12 = 120
11 x 12 = 132
12 x 12 = 144