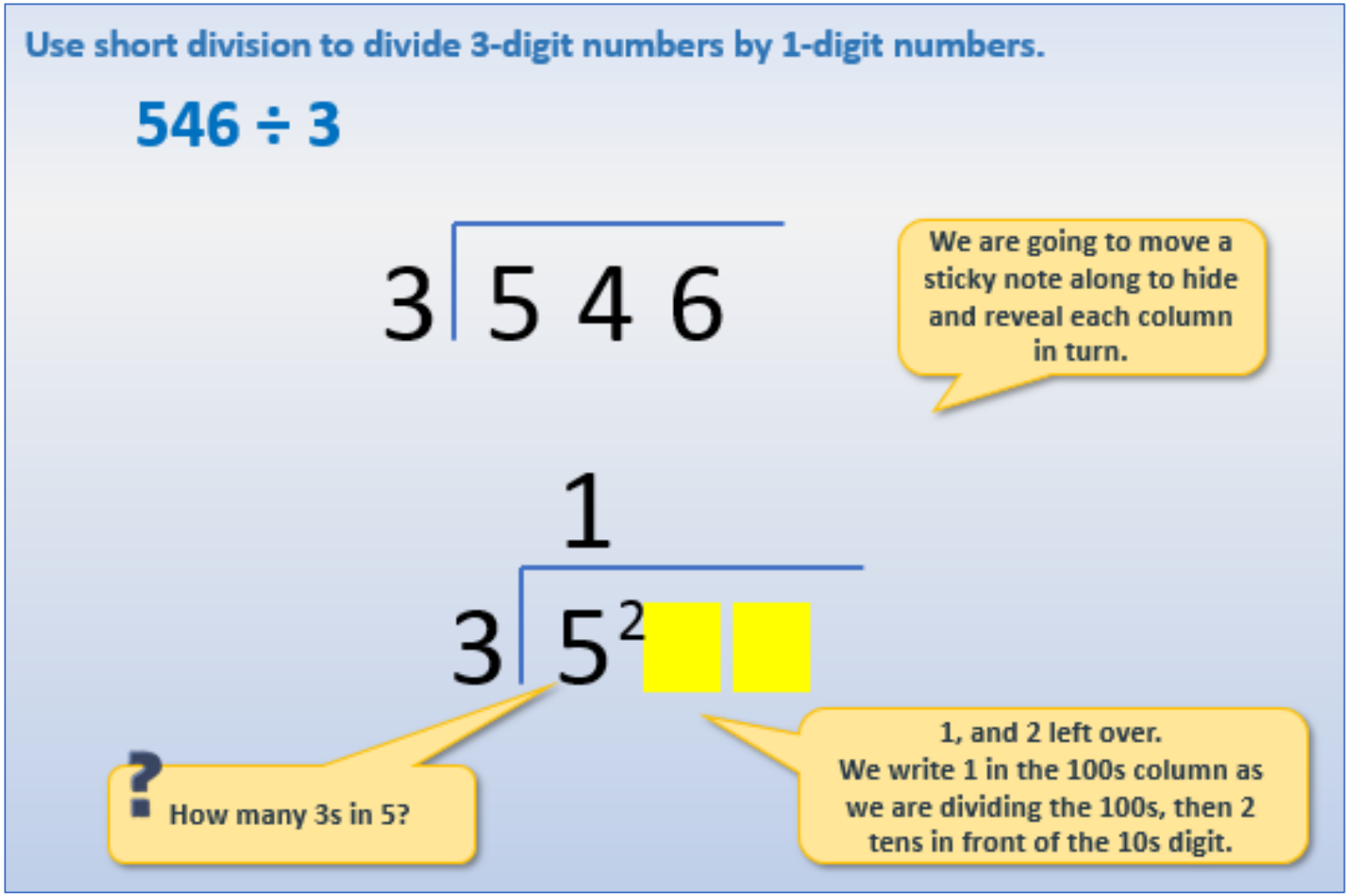
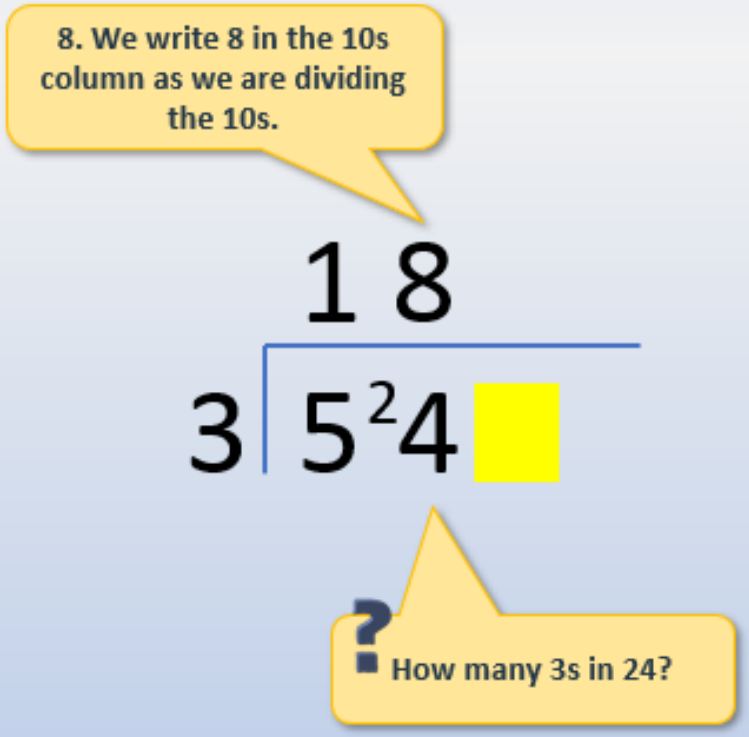
Learning Reminders



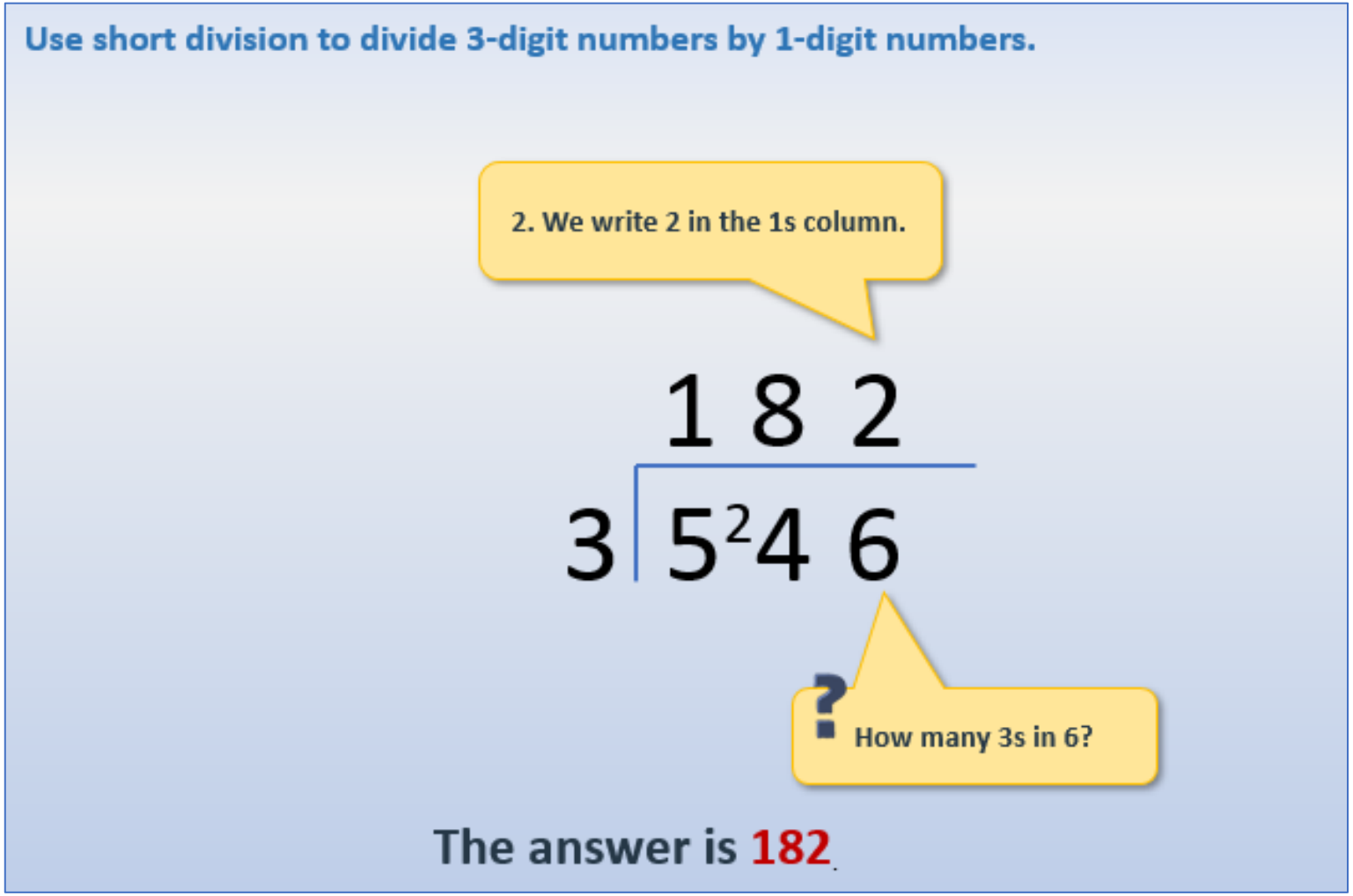
Learning Reminders

Use short division to divide 3-digit numbers by 1-digit numbers.



Learning Reminders

Use short division to divide 3-digit numbers by 1-digit numbers.



The answer is 182

Practice Sheet Mild

Division practice

1. 369 ÷ 3	2. 448 ÷ 4	3. 575 ÷ 5	4. 378 ÷ 3
5. 672 ÷ 6	6. 898 ÷ 8	7. 791 ÷ 7	8. 643 ÷ 3
9. 857 ÷ 4	10. 563 ÷ 5	11. 691 ÷ 6	12. 936 ÷ 9

Challenge

Without working them out, which of these do you think will have a remainder? Does your partner agree?

933 ÷ 4 801 ÷ 3 696 ÷ 8 676 ÷ 5

Now try them out! Were you right?

Practice Sheet Hot

Division problems

Set out and solve these calculations:

1. 233 ÷ 4
2. 547 ÷ 8
3. 451 ÷ 7
4. 628 ÷ 9

Solve these word problems:

5. Some pizzas are cut into 8 slices. How many pizzas are needed for 572 slices?
6. 7 children fit into a minibus. How many minibuses are needed to take 322 children on a trip?
7. 9 friends share out 534 marbles. How many marbles does each child get? How many are left over?
8. Stickers come in packets of 6. If I need 370 stickers to give out at my party how many packets should I buy?

Now make up two problems, each involving one of these calculations:

9. 546 ÷ 6
10. 428 ÷ 8

Challenge

Which numbers between 1 and 12 will NOT divide evenly into 504 (i.e. with no remainder)?

Practice Sheet Answers

Division practice (mild)

1. 369 ÷ 3 = 123
2. 448 ÷ 4 = 112
3. 575 ÷ 5 = 115
4. 378 ÷ 3 = 126
5. 672 ÷ 6 = 112
6. 898 ÷ 8 = 112 r2
7. 791 ÷ 7 = 113
8. 643 ÷ 3 = 214 r1
9. 857 ÷ 4 = 214 r1
10. 563 ÷ 5 = 112 r3
11. 691 ÷ 6 = 115 r1
12. 936 ÷ 9 = 104

Challenge

933 ÷ 4 = 233 r1 and 676 ÷ 5 = 135 r1

Division problems (hot)

1. 233 ÷ 4 = 58 r1
2. 547 ÷ 8 = 68 r3
3. 451 ÷ 7 = 64 r3
4. 628 ÷ 9 – 69 r7

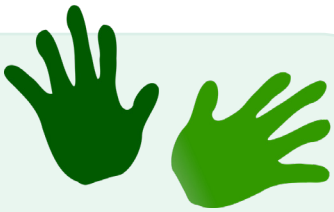
5. 72 pizzas
6. 46 minibuses
7. 59 marbles per child. Three are left over.
8. 62 packets

Challenge

5, 10 and 11 will not divide evenly into 504.

A Bit Stuck?
Any left?

Things you will need:
- A pencil

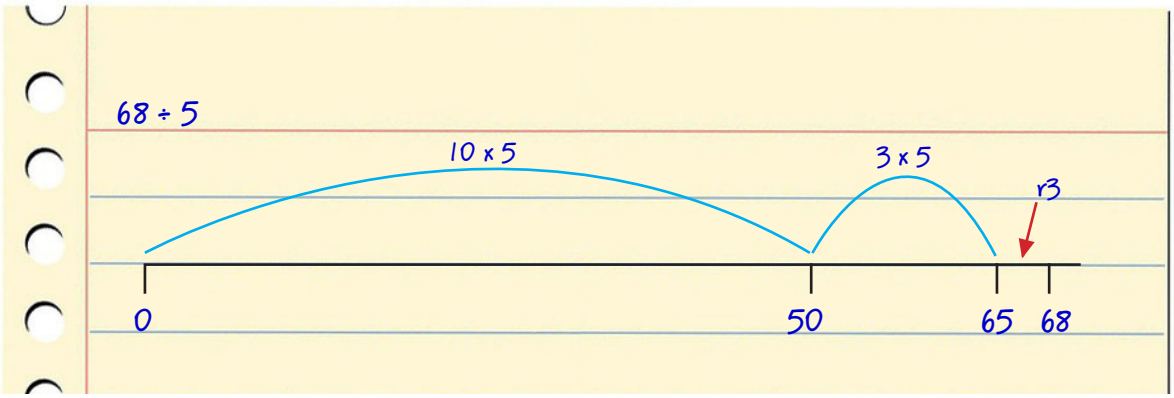


'Chunking' on a number line is an important stepping-stone when learning to divide.
Look at the example at the bottom of the page for 68 ÷ 5.
See how we hop in large 'chunks' of 5 (the divisor) along the line to get as close as possible to 68...?

What to do:

- Choose a division to work out - some will give remainders but a few won't!
- Calculate the answer using 'chunking' on a number line.
- Repeat at least four more times.
- Score 1 point for each correct answer but 10 points for each remainder!

68 ÷ 5	48 ÷ 3	65 ÷ 4	92 ÷ 5	68 ÷ 4
50 ÷ 3	71 ÷ 4	80 ÷ 5	51 ÷ 3	



S-t-r-e-t-c-h:
Work out 67÷3, 92÷4 and 107÷5. Hint: the answers are bigger than 20!

Learning outcomes:
- I can use chunking to divide, giving answers between 10 and 20, with remainders.
- I am beginning to use chunking to divide, giving answers between 20 and 30, with remainders.