

Class 3 Home Learning, week beginning 1st June 2020

Maths - Year 4  
Summer Term  
Week 3 (w/c 4th May)

Lesson 4

Divide a 3-digit number by a 1-digit number

We have looked at dividing a 3-digit number by a 1-digit number in class this year.

For today's lesson, there will be some activities linked to this, as well as dividing a 4-digit number by a 1-digit number.

If you are confident with this maths, I have included an extra activity (using written methods to solve word problems).

Please watch the video on the White Rose Maths Home Learning website if you need a reminder of how to divide a 3-digit number by a 1-digit number.

## Challenge 1

This page does not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to also write which activity you choose (you do not have to do both).

### Activity 1

Complete the worksheet which can be found on the White Rose Maths Home Learning website. You do not need to print it out, just do your best to copy and complete the question when possible, or to just show your calculations and write the answer in your maths book.

### Lesson 4 - Divide 3 digit by 1-digit number

405 ÷ 3 =

| Hundreds | Tens | Ones |
|----------|------|------|
| 4        | 0    | 5    |
|          |      |      |
|          |      |      |
|          |      |      |

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[Get the Activity](#)

Y4 Lesson 4 Divide 3-digits by 1-digit 2019

[Get the Answers](#)

Y4 Lesson 4 Answers Divide 3-digits by 1-digit 2019

### Activity 2

Choose Challenge 'A' from the work on the next page. Please copy the question into your maths book. Remember to write one digit/symbol per square!

w/b 1.6.20 Class 3's Home Learning, Maths (Y4)

Can I divide a 2, 3 or 4-digit number by a 1-digit number?

This page does not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to also write which challenge you choose).

**Challenge 1:** choose 'A'

**Challenge 2:** choose 'B'

**Challenge 3:** choose 'C'

Please copy the question in full in your maths book, remembering one digit/symbol per square.

**A**

Work out

- 1  $68 \div 4$
- 2  $84 \div 6$
- 3  $95 \div 5$
- 4  $84 \div 7$
- 5  $40 \div 2$
- 6  $126 \div 9$
- 7  $51 \div 3$
- 8  $104 \div 8$
- 9  $115 \div 5$
- 10  $98 \div 7$
- 11  $78 \div 3$
- 12  $96 \div 6$
- 13  $68 \div 2$
- 14  $128 \div 8$
- 15  $96 \div 4$
- 16  $117 \div 9$

- 17 Eight train tickets cost £112. What does one cost?
- 18 There are 87 children in Year 5. One third come to school by bike. How many cycle to school?
- 19 There are 135 goals scored by teams in a football tournament. One ninth are penalties. How many penalties are scored?
- 20 How many full weeks are there in 112 days?

**B**

Work out

- 1  $264 \div 6$
- 2  $477 \div 9$
- 3  $354 \div 2$
- 4  $476 \div 7$
- 5  $272 \div 8$
- 6  $485 \div 5$
- 7  $738 \div 9$
- 8  $504 \div 12$
- 9  $651 \div 7$
- 10  $261 \div 3$
- 11  $693 \div 11$
- 12  $414 \div 9$
- 13  $276 \div 4$
- 14  $616 \div 7$
- 15  $462 \div 6$
- 16  $544 \div 8$

- 17 The total weight of six bags of cement is 150 kg. How much does one bag weigh?
- 18 Bella earns £413 in seven days. How much does she earn in one day?
- 19 A dripping tap loses 435 ml of water in five minutes. How much is lost every minute?
- 20 Each bag has eight sweets. How many bags can be made from 592 sweets?

**C**

Work out

- 1  $1401 \div 3$
- 2  $1192 \div 8$
- 3  $1158 \div 6$
- 4  $1692 \div 9$
- 5  $1390 \div 5$
- 6  $1043 \div 7$
- 7  $1776 \div 12$
- 8  $1384 \div 8$
- 9  $182 \div 14$
- 10  $195 \div 13$
- 11  $204 \div 17$
- 12  $336 \div 16$
- 13  $308 \div 22$
- 14  $400 \div 25$
- 15  $442 \div 34$
- 16  $726 \div 33$

- 17 The perimeter of a square field is 1324 m. How long is one side of the field?



A cyclist rides the same route every day. In two weeks he rides 378 km. How far does he ride each day?

- 19 There are 24 bottles in each crate. How many crates can be filled from 600 bottles?

Can I solve word problems using written methods?

**Extra activity**

This page does not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to also write which challenge you choose.

(You may need to use any of the four operations (+, -, x or ÷) to solve these questions.)

**A**

- 1 In one year 487 boys and 469 girls are born in a hospital. How many babies are born altogether?
- 2 There are four cans of drink in each pack. How many packs can be made from 96 drinks?
- 3 A plane has 425 passengers on its flight from Manchester to Gibraltar and 179 fewer passengers on the return flight. How many passengers are on the return flight to Manchester?
- 4 A hotel has 75 rooms. Each room is for two people. When the hotel is full how many people are staying there?
- 5 A coach has travelled 376 miles. There is still 149 miles to travel. How long is the coach journey?
- 6 One sixth of the 84 pupils in Year 4 travel to school by bus. How many of the children come to school by bus?

**B**

- 1 Each of the nine rows in a car park has the same number of spaces. There are 441 spaces in the car park altogether. How many spaces are there in each row?
- 2 A school library has 2164 books. During one year 1869 have been borrowed at least once. How many books have not been borrowed?
- 3 Sellers pay £8 each to take part in a car boot sale. How much is raised if 193 cars are used for selling?
- 4 In one year 2179 caravans stopping at a site stay for more than one night while 1869 stay one night only. How many caravans stop at the site altogether?
- 5 Sales of programmes at a theatre raise £825. Programmes cost £3 each. How many programmes are sold?
- 6 Of the 7640 runners taking part in a marathon, 4375 have not run one before. How many of the runners have run a marathon before?

**C**

- 1 Harriet realises she was born exactly 1000 months ago. How old is she in years and months?
- 2 Marcus earns £45 317 in a year. He pays £8659 tax. How much income is left after his tax is paid?
- 3 Each pack has six potatoes. How many potatoes are there in 1865 packs?
- 4 In one year a travel company had 28 394 bookings for a river cruise and 53 768 bookings for a sea cruise. How many cruise bookings were there altogether?
- 5 It costs a family £1106 to rent a villa for one week. How much does the villa cost to rent for one day?
- 6 A driving test is taken by 62 406 people. 35 937 pass. How many people fail the test?

