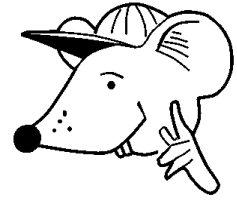# MATHEMATICS

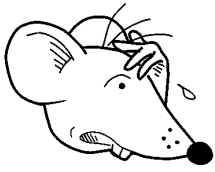## Y3 Multiplication and Division

3396

Short division

Equipment

Paper, pencil, ruler

MathSphere

© MathSphere   www.mathsphere.co.uk

Today we are going to look at how we can use the short method of division. Short, because it uses up less space! Try it, step by step.

Divide 3 into 56, one digit at a time, starting from the left like this:

$$3\overline{)5\ 6}$$

Ask: 'How many 3s in 5?'

3 goes into 5 1 time with 2 remainder.

Put the 1 above the 5 on the answer line.

$$3\overline{)5^2 6}\ \ \ ^1$$

Carry the 2 into the next column and write it down before the 6, making 26.

Ask: 'How many 3s in 26?'

3 goes into 26 8 times.

Put the 8 above the 6 on the answer line.

$$3\overline{)5^2 6}\ \ ^{1\ 8}$$

3 times 8 is 24 so there is a remainder of 2.

Put the 2 remainder in the answer.
Answer 18 remainder 2.

$$3\overline{)5^2 6}\ \ ^{1\ 8\ r\ 2}$$

Name:

Short division

Use the short method of division to answer these questions. Some will have remainders.

1. $2\overline{)5\ 2}$ 2. $2\overline{)4\ 8}$ 3. $2\overline{)7\ 5}$ 4. $2\overline{)3\ 7}$

5. $3\overline{)5\ 3}$ 6. $3\overline{)7\ 1}$ 7. $3\overline{)8\ 6}$ 8. $3\overline{)7\ 4}$

9. $4\overline{)5\ 3}$ 10. $4\overline{)6\ 5}$ 11. $4\overline{)7\ 7}$ 12. $4\overline{)5\ 9}$

13. $5\overline{)7\ 2}$ 14. $5\overline{)3\ 9}$ 15. $5\overline{)4\ 8}$ 16. $5\overline{)9\ 7}$

Remember to include any remainders in your answers.

Use the short method of division to answer these questions. Some will have remainders.

1. $2 \overline{)3\ 5}$

2. $2 \overline{)5\ 9}$

3. $2 \overline{)8\ 6}$

4. $2 \overline{)4\ 9}$

5. $3 \overline{)7\ 8}$

6. $3 \overline{)8\ 2}$

7. $3 \overline{)9\ 7}$

8. $3 \overline{)6\ 4}$

9. $4 \overline{)5\ 6}$

10. $4 \overline{)7\ 0}$

11. $4 \overline{)9\ 3}$

12. $4 \overline{)3\ 9}$

13. $5 \overline{)8\ 3}$

14. $5 \overline{)4\ 9}$

15. $5 \overline{)7\ 7}$

16. $5 \overline{)9\ 4}$

Remember to include any remainders in your answers.

Name:

Short division
Maths worksheets from mathsphere.co.uk

Use the short method of division to answer these questions. Some will have remainders.

1. $2 \overline{)7\,0}$ 2. $2 \overline{)6\,6}$ 3. $2 \overline{)9\,3}$ 4. $2 \overline{)5\,5}$

5. $3 \overline{)7\,2}$ 6. $3 \overline{)9\,1}$ 7. $3 \overline{)5\,4}$ 8. $3 \overline{)8\,5}$

9. $4 \overline{)7\,1}$ 10. $4 \overline{)8\,6}$ 11. $4 \overline{)9\,5}$ 12. $4 \overline{)8\,3}$

13. $5 \overline{)9\,1}$ 14. $5 \overline{)5\,7}$ 15. $5 \overline{)6\,6}$ 16. $5 \overline{)3\,7}$

Remember to include any remainders in your answers.

Short division
Answers

Page 3

1. 26	2. 24	3. 37 r 1	4. 18 r 1
5. 17 r 2	6. 23 r 2	7. 28 r 2	8. 24 r 2
9. 13 r 1	10. 16 r 1	11. 19 r 1	12. 14 r 3
13. 14 r 2	14. 7 r 4	15. 9 r 3	16. 19 r 2

Page 4

1. 17 r 1	2. 29 r 1	3. 43	4. 24 r 1
5. 26	6. 27 r 1	7. 32 r 1	8. 28 r 1
9. 14	10. 17 r 2	11. 23 r 1	12. 9 r 3
13. 16 r 3	14. 9 r 4	15. 15 r 2	16. 18 r 4

Page 5

1. 35	2. 33	3. 46 r 1	4. 27 r 1
5. 24	6. 30 r 1	7. 18	8. 28 r 1
9. 17 r 3	10. 21 r 2	11. 23 r 3	12. 20 r 3
13. 18 r 1	14. 11 r 2	15. 13 r 1	16. 7 r 2

Name: