

Y5 Short Division

KS2 Y5 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

$$3,852 \div 6$$

Step 1 · $3 \div 6 = 0 \text{ r } 3$
carry 3 to make 38

Step 2 · $38 \div 6 = 6 \text{ r } 2$
carry 2 to make 25

Step 3 · $25 \div 6 = 4 \text{ r } 1$
carry 1 to make 12

Step 4 · $12 \div 6 = 2$
no remainder

Answer: 642

Check: $642 \times 6 = 3,852$ ✓

2. Now try one with the steps

$$1,745 \div 4$$

Step 1 · $1 \div 4 = 0 \text{ r } 1$

Step 2 · $17 \div 4 = 4 \text{ r } 1$

Step 3 · $14 \div 4 = 3 \text{ r } 2$

Step 4 · $25 \div 4 = 6 \text{ r } 1$

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. $848 \div 4$

2. $756 \div 3$

3. $2,135 \div 5$

4. $4,728 \div 6$

5. $917 \div 4$

6. $3,604 \div 7$

7. $5,208 \div 8$

8. $8,145 \div 9$

9. 254 people need tables. Each table seats 8. How many tables are needed?

10. A ribbon is 500 cm long. How many 7 cm pieces can be cut from it?

11. £1,236 is shared equally between 4 charities. How much does each charity get?

12. A farmer has 2,500 strawberries to pack in punnets of 9. How many full punnets can she make, and how many strawberries are left?

13. Fill the missing number: $\underline{\quad} \div 6 = 418 \text{ r } 5$

14. A school has 1,350 pencils to put in packs of 4. How many packs can be filled, and how many more pencils are needed to fill one more pack?

4. Before you hand it in

For $6,093 \div 7$, writing $87 \text{ r } 3$.

When a digit cannot be divided, write 0 above it: $3 \div 7 = 0 \text{ r } 3$, so the answer is $870 \text{ r } 3$.

Giving 'the answer is $16 \text{ r } 2$ minibuses'.

Ask what the remainder means. 2 children still need a seat, so 17 minibuses are needed.

Getting a remainder bigger than the divisor, such as $917 \div 4 = 228 \text{ r } 5$.

The remainder must always be smaller than the number you divide by. 5 more means one more group of 4.

Forgetting to carry the remainder to the next digit.

Write the carried remainder small in front of the next digit, so 38 not 8.