

Use short division to find the answers. Divide the remainders to give fractions. Simplify the fractions where you can.

1 $7407 \div 6 = \square$

2 $2423 \div 7 = \square$

3 $8746 \div 4 = \square$

4 $5182 \div 8 = \square$

5 $2273 \div 7 = \square$

6 $4118 \div 9 = \square$

7 $6522 \div 8 = \square$

8 $4988 \div 9 = \square$

9 $8324 \div 6 = \square$

10 $3170 \div 8 = \square$

11 $9151 \div 4 = \square$

12 $4126 \div 6 = \square$

13 $2766 \div 8 = \square$

14 $4799 \div 7 = \square$



2 3 4 6 8 9
If you divide a mystery 4-digit number by any of these values there is no remainder. What is the mystery number?

 I am confident with using short division and giving remainders as fractions.

Solve these divisions.

1 $3 \overline{)948}$

4 $8 \overline{)896}$

7 $5 \overline{)387}$

2 $4 \overline{)564}$

5 $3 \overline{)771}$

8 $4 \overline{)8565}$

3 $5 \overline{)785}$

6 $6 \overline{)852}$

9 $3 \overline{)2469}$

Follow these instructions and look for patterns.

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Divide 123 by 6.

Divide 234 by 6.

Divide 345 by 6.

Keep following the pattern, dividing 456, 567, 678, 789 and 891 by 6.

What do you notice about the patterns of the remainders?

Try dividing each of the same numbers by 3 and see if you notice anything.



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