

# Investigating Remainders

Try to predict the remainders without actually performing the division! In each set, pick three and check them with division.

1  $10 \overline{)84} \text{ r } \boxed{4}$

$10 \overline{)184} \text{ r } \boxed{\phantom{0}}$

$10 \overline{)797} \text{ r } \boxed{\phantom{0}}$

$10 \overline{)1,351} \text{ r } \boxed{\phantom{0}}$

$10 \overline{)770} \text{ r } \boxed{\phantom{0}}$

$10 \overline{)5} \text{ r } \boxed{\phantom{0}}$

Tell why your rule works. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

2  $2 \overline{)15} \text{ r } \boxed{\phantom{0}}$

$2 \overline{)184} \text{ r } \boxed{\phantom{0}}$

$2 \overline{)797} \text{ r } \boxed{\phantom{0}}$

$2 \overline{)1,351} \text{ r } \boxed{\phantom{0}}$

$2 \overline{)770} \text{ r } \boxed{\phantom{0}}$

$2 \overline{)3} \text{ r } \boxed{\phantom{0}}$

Tell why your rule works. \_\_\_\_\_  
 \_\_\_\_\_

3  $5 \overline{)84} \text{ r } \boxed{\phantom{0}}$

$5 \overline{)89} \text{ r } \boxed{\phantom{0}}$

$5 \overline{)797} \text{ r } \boxed{\phantom{0}}$

$5 \overline{)1,351} \text{ r } \boxed{\phantom{0}}$

$5 \overline{)770} \text{ r } \boxed{\phantom{0}}$

$5 \overline{)9} \text{ r } \boxed{\phantom{0}}$

Tell why your rule works. \_\_\_\_\_  
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