

Divide these numbers:

a

$$4 \overline{) 84}$$

b

$$5 \overline{) 55}$$

c

$$3 \overline{) 93}$$

d

$$9 \overline{) 990}$$

e

$$4 \overline{) 484}$$

f

$$6 \overline{) 666}$$

g

$$3 \overline{) 999}$$

h

$$2 \overline{) 462}$$

i

$$3 \overline{) 693}$$

Divide these 2 digit numbers. Each problem will have a remainder.

a

$$9 \overline{) 75} \quad r$$

b

$$4 \overline{) 47} \quad r$$

c

$$6 \overline{) 38} \quad r$$

d

$$5 \overline{) 63} \quad r$$

e

$$4 \overline{) 49} \quad r$$

f

$$6 \overline{) 62} \quad r$$

Divide these 3 digit numbers. Each problem will have a remainder.

a

$$5 \overline{) 557} \quad r$$

b

$$3 \overline{) 661} \quad r$$

c

$$4 \overline{) 481} \quad r$$

d

$$9 \overline{) 994} \quad r$$

e

$$4 \overline{) 845} \quad r$$

f

$$6 \overline{) 638} \quad r$$

Look at these word problems and decide if they are asking you to divide. If they are, solve the problem. If not, name the process you would use to solve them:

- a 250 children go to the local pool on a hot summer's day. Each child dives off the diving board 9 times. How many dives are there altogether?
- b The water safety team come to the pool and hand out 750 free balloons. How many children are there if they each get 3?
- c The shop does a roaring trade on ice creams, selling 121 before lunch and 145 after lunch. How many ice creams do they sell in total?
- d Of the 250 children at the pool, one fifth are planning to come back the next day. How many are coming back?

Complete the table by expressing the remainders in 3 different ways. What patterns can you use to help you? You could use a calculator to help you find the decimal answers.

	fraction	decimal	remainder
$243 \div 5$		48.6	
$244 \div 5$			48 r 4
$245 \div 5$			
$246 \div 5$			
$247 \div 5$			