STEP 9: DIVIDE WITH REMAINDERS

Complete the following, show your working out:

1) 7231 ÷ 5 = 1446 r1

$$5\overline{)7^{2}2^{2}3^{3}1} \quad 1446\ r1$$

2) 6215 ÷ 6 = 1035 r5

$$6\overline{)6\,2^{2}1^{3}5} \quad 1035\ r5$$

3) 5213 ÷ 3 = 1737 r2

$$3\overline{)5^{2}2^{1}1^{2}3} \quad 1737\ r2$$

4) 6175 ÷ 9 = 686 r1

$$9\overline{)6^{6}1^{7}7^{5}5} \quad 686\ r1$$

STEP 10: EFFICIENT DIVISION

Using factors, divide:

a) 320 ÷ 16

320 ÷ 2 = 160

160 ÷ 8 = 20

b) 728 ÷ 8

728 ÷ 2 = 364

364 ÷ 2 = 182

182 ÷ 2 = 91

c) 822 ÷ 12

822 − 2 = 411

411 ÷ 3 = 137

137 ÷ 2 = 68 r1

STEP 11: SOLVE PROBLEMS WITH × & ÷

Jeff is filling bags with candy. Each bag needs 7 candies and he has 349 candies. How many bags can they fill?

$$7\overline{)3^{3}4^{6}9} \quad 049\ r6$$

49

STEP 12