

## UNIT 17 MULTIPLICATION AND DIVISION • TOPIC 17.2

# Using an efficient method for division

★ ☆ ☆ Getting started

Name

Date

Score

/ 15

Show you understand the basics. Write your answers in the boxes and on the lines.

1 Use short division to work these out.

3 marks

(a)  $76 \div 4$

(b)  $81 \div 3$

(c)  $98 \div 7$

$$4 \overline{) 76}$$

$$3 \overline{) 81}$$

$$7 \overline{) 98}$$

2 Use short division. Write the remainder.

3 marks

(a)  $59 \div 4$

(b)  $89 \div 6$

(c)  $67 \div 5$

$$4 \overline{) 59} \text{ r } 3$$

$$6 \overline{) 89} \text{ r } 13$$

$$5 \overline{) 67} \text{ r } 12$$

3 Split the number into two parts that are easy to divide. Complete the working.

2 marks

(a)  $68 \div 4$ :  $68 = 40 + 28$ ,  $40 \div 4 = 10$ ,  $28 \div 4 = 7$ , so  $68 \div 4 = 17$

(b)  $96 \div 6$ :  $96 = 60 + 36$ ,  $60 \div 6 = 10$ ,  $36 \div 6 = 6$ , so  $96 \div 6 = 16$

4 Complete the estimate for  $83 \div 6$ .

1 mark

$60 \div 6 = 10$     $120 \div 6 = 20$

So  $83 \div 6$  is between

and

5

A teacher shares 72 crayons equally between 6 tables. How many crayons go on each table?

1 mark

$$6 \overline{) 72}$$

Answer:  crayons

6

A tailor needs 3 m of cloth to make one dress. She has 50 m of cloth. How many dresses can she make?

1 mark

$$3 \overline{) 50} \text{ r}$$

Answer:  dresses

7

Use multiplication to check each division. Write **correct** or **wrong**. If it is wrong, write the correct answer.

2 marks

(a)  $78 \div 6 = 13$  check:  $13 \times 6 =$

(b)  $88 \div 8 = 12$  check:  $12 \times 8 =$

8

Look at this division:  $59 \div 4 = 14 \text{ r } 3$ . Write the number that is:

2 marks

(a) the dividend

(b) the divisor

(c) the quotient

(d) the remainder

How did I do?

☐ Easy ☐ OK ☐ Tricky

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