

Long division (4)

1 Complete the divisions.

a) $2,500 \div 18 = 138 \text{ r } 16$

138 r 16

b) $5,000 \div 18 = 277 \text{ r } 14$

277r14

c) $7,500 \div 18 = 416 \text{ r } 12$

416 r 12

d) $7,500 \div 36 = 208 \text{ r}12$

208,12

2 a) Predict which of these divisions will have the greatest remainder.

$$1,000 \div 11$$

$$1,000 \div 13$$

$$1,001 \div 12$$

$$1,000 \div 12$$

$$1,001 \div 11$$

$$1,001 \div 13$$

Talk about your predictions with a partner.

b) Complete the divisions from part a), and check if your predictions were correct.

1	0	0	0	÷	1	1	=	9	0	r	10
---	---	---	---	---	---	---	---	---	---	---	----

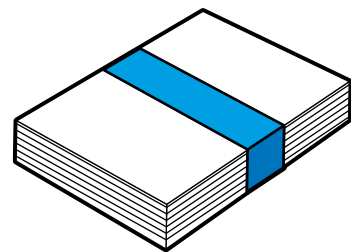
$$1000 \div 12 = 83 \text{ r } 4$$

$$1000 \div 13 = 76 \text{ r } 12$$

1	0	0	1	÷	1	1	=	9	1
---	---	---	---	---	---	---	---	---	---

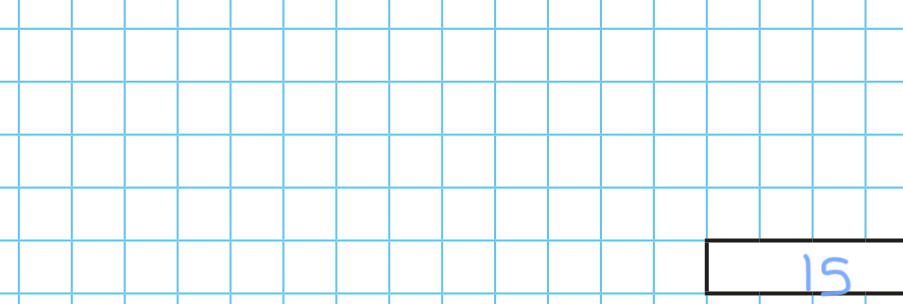
$$1001 \div 12 = 83r5$$

1	0	0	1	÷	1	3	=	7	7
---	---	---	---	---	---	---	---	---	---

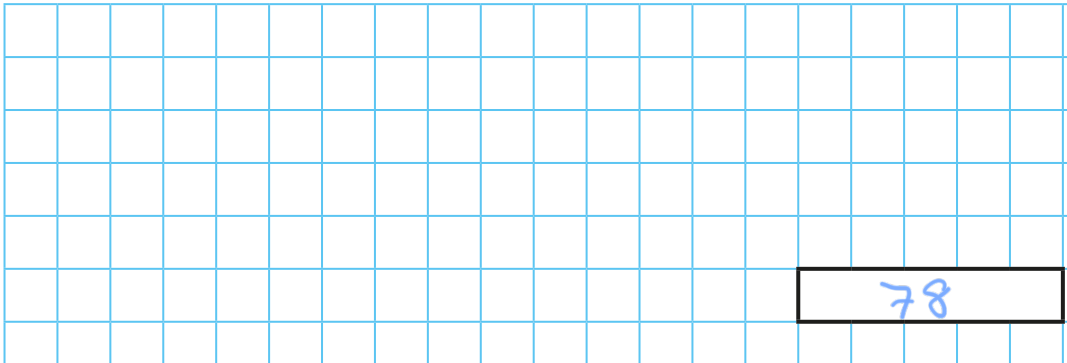


Paper comes in packets of 250 sheets.

a) 1 packet

[illegible]A 20x10 grid of squares. A black rectangle is drawn in the bottom right corner, spanning 5 squares horizontally and 2 squares vertically. The number 15 is written in blue in the bottom-left corner of this rectangle.

A 20x10 grid of squares. A black rectangular box is drawn in the bottom right corner, spanning 4 columns and 2 rows. Inside this box, the number 31 is written in blue ink.

A 10x10 grid of squares. In the bottom right corner, there is a black rectangular box containing the number 78. The box is 2 squares wide and 1 square high, starting from the 8th column and 9th row. The number 78 is written in blue ink inside the box.

4

$$8200 \div 79 = 103 \text{ r } 63$$

It will take 104

5

What is the value of  ?

☆ = 99