

F

New
PIONEERS

GRADED

MATHS



Rasha Al-Shafee

Verified by: Dr. Ibrahim Nofal


www.alrowadpub.com

New

PIONEERS
GRADED

F

MATHS



Rasha Al-Shafee

Revised by: Dr. Ibrahim Nofal

Contents

Division

Division without a Remainder, Division with a Remainder 3-16

Fractions

Fractions, Equivalent Fractions 17-29

Geometry

The Straight Fragment, Making a Straight Fragment,
The Rectangle and The Square, Making a Rectangle,
Making a Square, Making a Triangle 30-43

Measurement

Millimeter, Centimeters and Meters, Kilometer, Weight,
Capacity, Time 44-56

AL-ROWAD FOR PUBLISHING & DISTRIBUTION
BOOK MAKERS

Division(1)

You have 20 apples. You want to put four apples in each dish.
How many dishes can you serve.



20 apples

÷



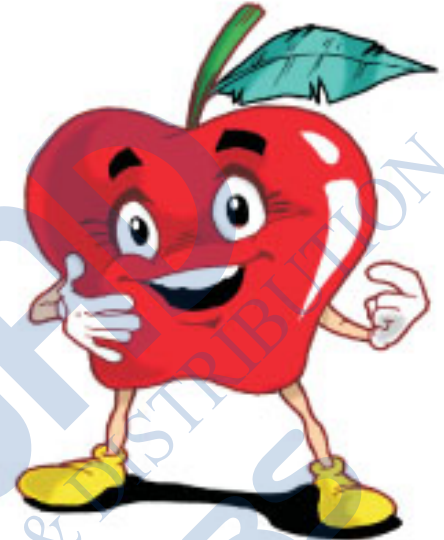
=



÷

4 apples in each dish = 5 dishes

$20 - 4 = 16$	
$16 - 4 = 12$	
$12 - 4 = 8$	
$8 - 4 = 4$	
$4 - 4 = 0$	

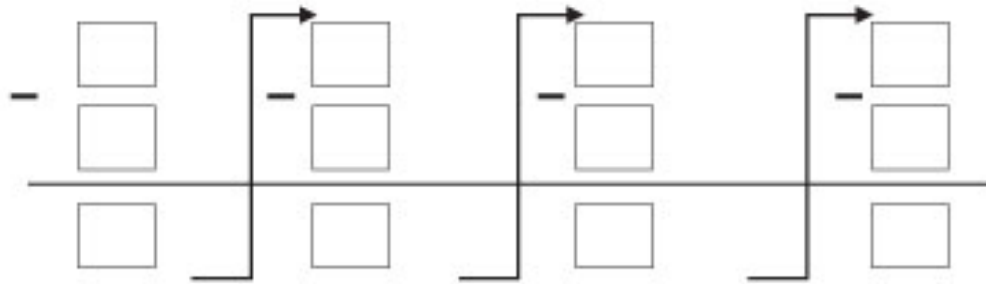


You have 42 books. You want to give 6 books to each boy. How many boys can get books?

42	→	□	→	□	→	□	→	□	→	□	→	□
- 6	-	□	-	□	-	□	-	□	-	□	-	□
36		□		□		□		□		□		□

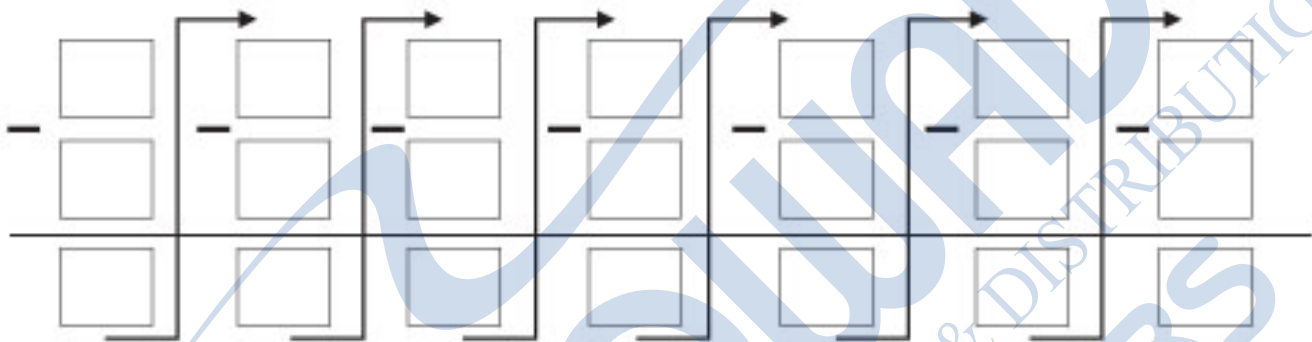
$$42 \div 6 = 7 \text{ boys}$$

You have 36 pens. You want to give 9 pens to each student. How many students can get pens?



$$36 \div 9 = \dots\dots\dots \text{students}$$

You have 14 flowers. You want to put 2 flowers in each bouquet. How many bouquets can you make?

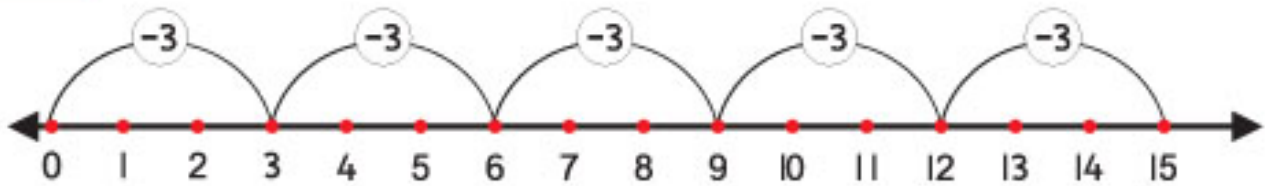


$$14 \div 2 = \dots\dots\dots \text{bouquets}$$

Division (2)

Use the number line to find

$$15 \div 3 =$$



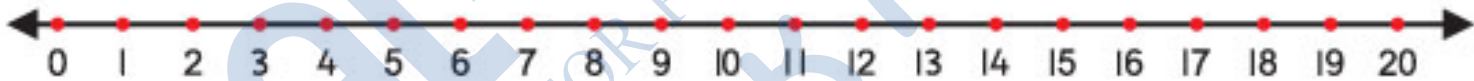
$$\therefore 15 \div 3 = 5$$

$$20 \div 2 =$$



$$\therefore 20 \div 2 =$$

$$16 \div 4 =$$



$$\therefore 16 \div 4 =$$

Multiplication	
$3 \times 2 = 6$	$2 \times 3 = 6$
$6 \times 5 = \dots\dots\dots$	
	$4 \times 7 = 28$

Division	
$6 \div 2 = 3$	$6 \div 3 = 2$
$30 \div 5 = 6$	
	$72 \div 9 = 8$



Match the multiplication operation to the division operation

$48 \div 6 = 8$

$8 \times 7 = 56$

$36 \div 6 = 6$

$8 \times 6 = 48$

$56 \div 7 = 8$

$6 \times 6 = 36$

Division of two-digit numbers without a remainder

Complete the division operation to find $48 \div 4$

$$\begin{aligned}4 \text{ tens} \div 4 &= \dots 1 \dots \text{ten} \\8 \text{ units} \div 4 &= \dots 2 \dots \text{units} = \\ \therefore 48 \div 4 &= 12\end{aligned}$$

$$\begin{array}{r} 12 \\ 4 \overline{) 48} \\ \underline{4} \\ 08 \\ \underline{8} \\ 00 \end{array}$$

Complete the division operation to find $36 \div 3$

$$\begin{aligned}3 \text{ tens} \div 3 &= \dots \text{ten} \\6 \text{ units} \div 3 &= \dots \text{units} = \\ \therefore 36 \div 3 &= \dots\end{aligned}$$

$$\begin{array}{r} 12 \\ 3 \overline{) 36} \\ \underline{3} \\ 06 \\ \underline{6} \\ 00 \end{array}$$

Use long division to find the quotient

$$\begin{array}{r} 3 \overline{) 42} \end{array}$$

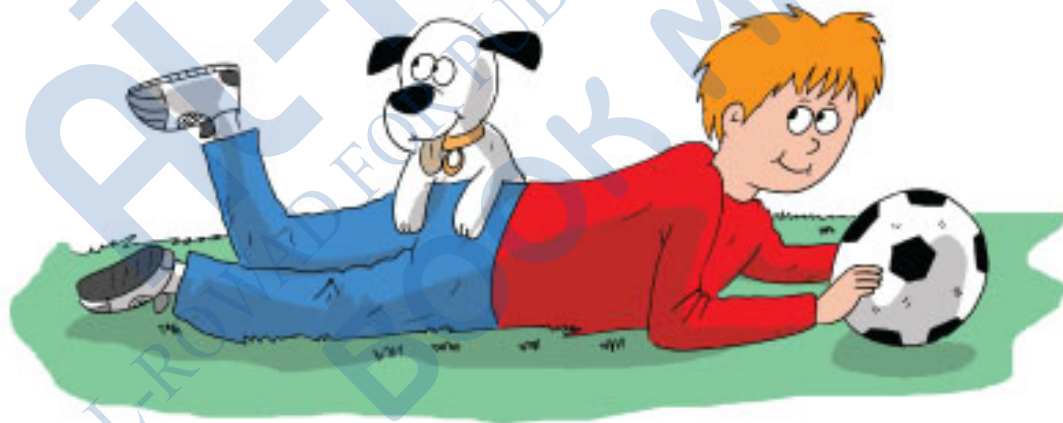
$$\begin{array}{r} 4 \overline{) 92} \end{array}$$

$$\begin{array}{r} 6 \overline{) 78} \end{array}$$

Fill in the box to find the quotient

$$\begin{array}{r} \square 2 \\ 6 \overline{) 72} \\ \underline{6} \\ 12 \\ \underline{12} \\ 00 \end{array}$$

$$\begin{array}{r} 1 \square \\ 6 \overline{) 96} \\ \underline{6} \\ 36 \\ \underline{36} \\ 00 \end{array}$$



$$\begin{array}{r} \square \square \square \\ 5 \overline{) 245} \\ \square \\ \hline \square \square \\ \square \square \\ \hline \square \square \\ \square \square \\ \hline 00 \end{array}$$

$$\begin{array}{r} \square \square \square \\ 3 \overline{) 351} \\ \square \\ \hline \square \square \\ \square \\ \hline \square \square \\ \square \square \\ \hline 00 \end{array}$$

AL-ROWAD FOR PUBLISHING & DISTRIBUTION
BOOK MAKERS



Division of two-digit numbers with a remainder

Divide then find the remainder

$$29 \div 9 =$$

Quotient =

Remainder =

$$46 \div 6 =$$

Quotient =

Remainder =

$$26 \div 5 =$$

Quotient =

Remainder =

Remember

Quotient
Divisor $\overline{)$ Dividend
Remainder \leftarrow

Divide using long division



$$4 \overline{) 69}$$

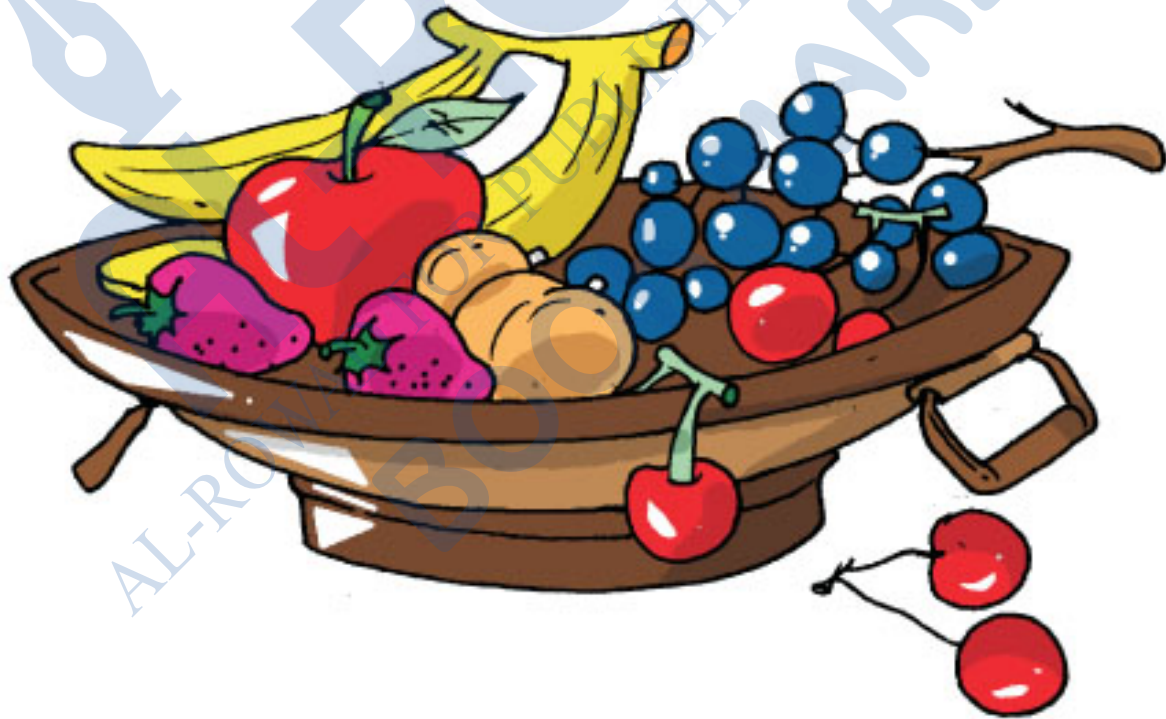
$$5 \overline{) 83}$$

$$5 \overline{) 96}$$

Divide to find the missing numbers

$$\begin{array}{r}
 4 \square \\
 2 \overline{) 99} \\
 \underline{\square} \\
 \square \square \\
 \underline{\square} \quad 8 \\
 \square \square
 \end{array}$$

$$\begin{array}{r}
 \square \square \\
 7 \overline{) 86} \\
 \underline{7} \\
 \square \square \\
 \underline{1} \square \\
 \square \square
 \end{array}$$



Division of three-digit numbers with a remainder

$$895 \div 6 = 149 \text{ and the remainder is } 1$$

$$\begin{array}{r} 149 \\ 6 \overline{) 895} \\ \underline{6} \\ 29 \\ \underline{24} \\ 055 \\ \underline{54} \\ 01 \end{array}$$

To check your answer

$$\begin{array}{l} \text{Dividend} = \text{Quotient} \times \text{Divisor} + \text{Remainder} \\ 895 = 149 \times 6 + 01 \end{array}$$

Divide to find the missing number

$$\begin{array}{r} \square 6 \square \\ 5 \overline{) 818} \\ \underline{5} \\ \square \square \\ \underline{1} \\ \square \square \\ \underline{} \\ \square \square \end{array}$$

$$\begin{array}{r} \square \square 6 \\ 4 \overline{) 666} \\ \underline{} \\ \square 6 \\ \underline{24} \\ 0 \square \square \\ \square \square \\ \underline{} \end{array}$$

Divide using long division

$$\begin{array}{r} 2 \overline{) 313} \end{array}$$

$$\begin{array}{r} 8 \overline{) 763} \end{array}$$



$$\begin{array}{r} 2 \overline{) 313} \end{array}$$



$$\begin{array}{r} 8 \overline{) 763} \end{array}$$

$$\begin{array}{r} 3 \overline{) 322} \end{array}$$

$$\begin{array}{r} 7 \overline{) 863} \end{array}$$

$$\begin{array}{r} 2 \overline{) 813} \end{array}$$

$$\begin{array}{r} 6 \overline{) 763} \end{array}$$

AL-RROWAD FOR PUBLISHING & DISTRIBUTION
BOOK MAKERS