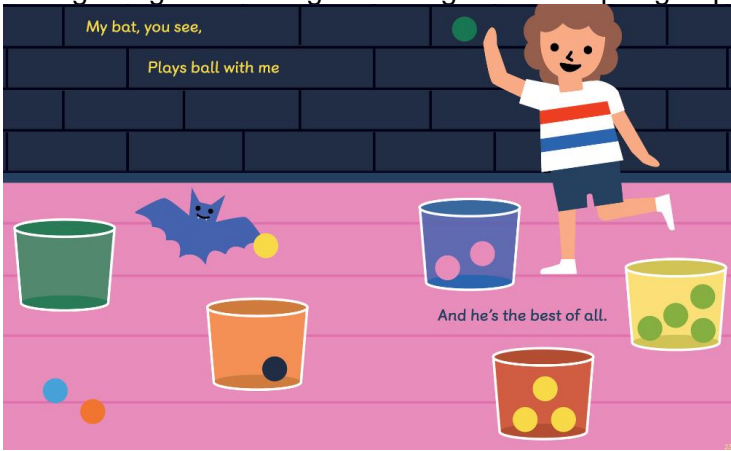

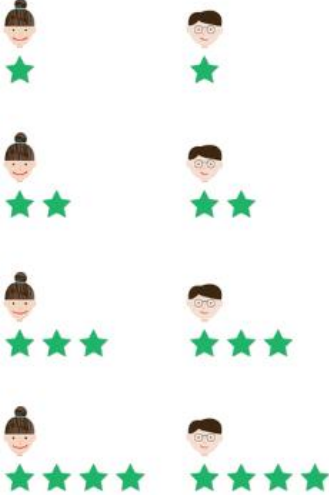





Year Group	Expectation	Method	Mathematical Language
R	To be able to halve sets of items and even numbers by sharing into 2 equal groups.	<p>Halving and sharing Recognising that halving is sharing into two equal groups</p> 	Share, equal, sharing, fair, equal groups, half, halving, one by one, more, less, the same
Year 1	Make equal groups. Add equal groups to find the total number of objects. Group things equally. Share things equally. Share things equally	<p>Equal sharing</p> <p>Emma has 8 stickers. She gives some to Charles so they each have the same number of stickers. How many stickers do they each get?</p>   <p>Equal grouping</p> <p>Sam has 12 apples. He puts the apples into groups of 4.</p>  <p>How many groups does he make? Sam makes <input type="text" value="3"/> groups.</p>	Equal, groups, unequal

Year 2

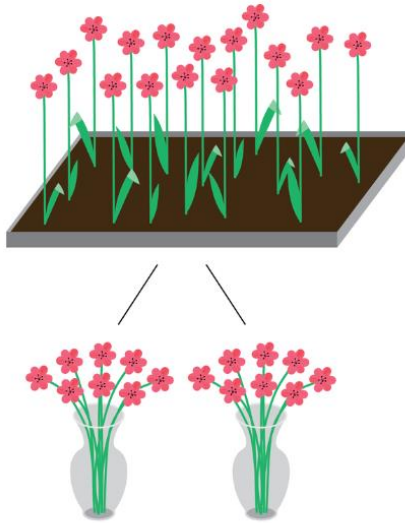
Divide a number by 2, 5 and 10. Write division equations. Write a family of multiplication and division facts. Recognise odd and even numbers.

Division by sharing



How can Elliott put the flowers equally into 2 vases?

There are 16 flowers.
Elliott cuts the flowers and puts them equally into 2 vases.



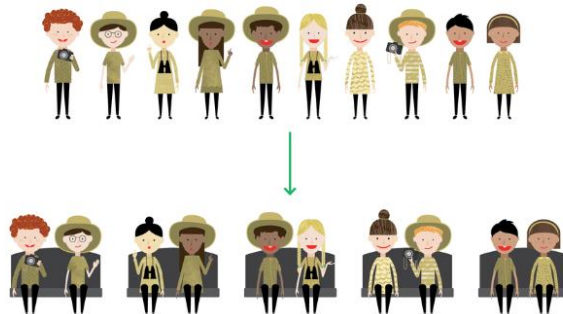
There are 8 flowers in each vase.

$$16 \div 2 = 8$$

Division commutative with multiplication facts

$$10 \div 2 = \square$$

There are 10 children.
2 children sit on each seat.



$10 \div 2 = 5$
The children will fill 5 seats.

There are 5 groups of 2 children.

$$5 \times 2 = 10$$



Fact families, commutative, equation

Year 3

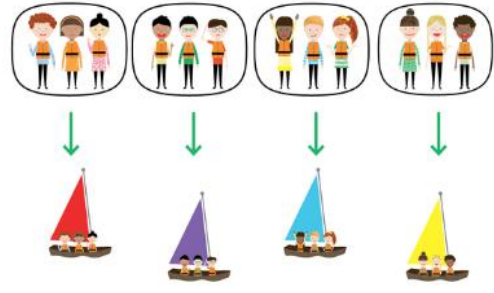
Divide a number by 3, 4 and 8. Solve word problems involving the division of 3, 4 and 8.

Division commutative with multiplication facts



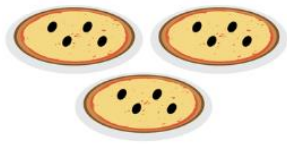
12 children are going sailing. There are 5 sailboats available. Each sailboat can fit up to 4 children. How many sailboats will the children use to go sailing?

Put the children into groups of 3.



$12 \div 3 = 4$

Using fact families

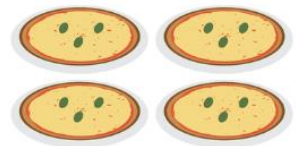


$12 \div 3 = 4$
 $4 \times 3 = 12$

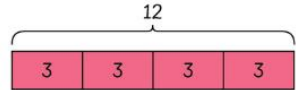


4 times 3 is 12, so 12 divided by 3 is 4.

12 divided into groups of 4 is equal to 3.



$12 \div 4 = 3$
 $3 \times 4 = 12$



3 times 4 is 12, so 12 divided by 4 is 3.

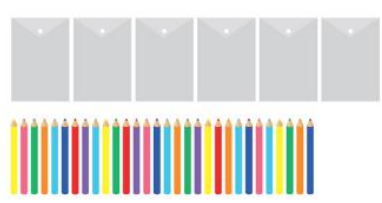
12 shared between 4 is equal to 3.

Bar model

Year 4

Divide by 6, 7, 9, 11 and 12. Divide to find quotient and remainder. Solve word problems involving division. Divide without regrouping. Divide with regrouping. Find the quotient and remainder in division.

Divide two-digit by one-digit using known multiplication facts



Six packets can hold 30 pencils. Each packet holds an equal amount of pencils. How many pencils can each packet hold?

Quotient, remainder, regrouping



$$30 \div 6 = 5$$

$$6 \times 5 = 30$$

Each packet can hold 5 pencils.

When 30 is divided by 6, the quotient is 5.



Dividing with a remainder

There are 13 flowers.



There are 4 flowers in each vase. There is 1 flower left over.



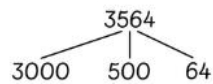
$13 \div 3 = 4$ with 1 left over
The quotient is 4.
The remainder is 1.

Year 5

Divide mentally. Divide numbers by 10, 100 and 1000. Divide 3-digit and 4-digit numbers. Solve word problems involving addition, subtraction, multiplication and division, and a combination of these.

Division by partitioning 3-digit by 1-digit

How many groups of 100 can we make from 3564?



1 thousand = 10 hundreds

$$3000 \div 100 = 30$$

$$500 \div 100 = 5$$

$$3500 \div 100 = 35$$

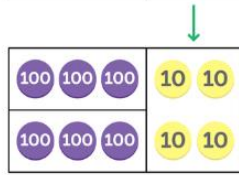
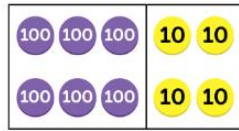
$$35 \text{ hundreds} \div 1 \text{ hundred} = 35$$



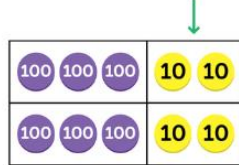
Partition, dividend, divisor, short division, quotient

Short written method

$640 \div 2 = \square$



$600 \div 2 = 300$



$40 \div 2 = 20$

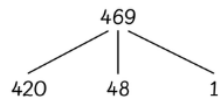
$640 \div 2 = 320$

$$\begin{array}{r} 300 \\ 2 \overline{) 640} \\ \underline{- 600} \\ 40 \\ \underline{- 40} \\ 0 \end{array}$$

$$\begin{array}{r} 320 \\ 2 \overline{) 640} \\ \underline{- 600} \\ 40 \\ \underline{- 40} \\ 0 \end{array}$$

Division with a remainder

$469 \div 6 = \square$



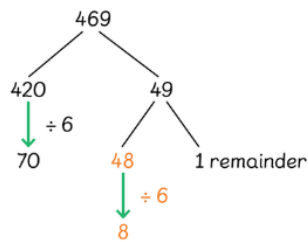
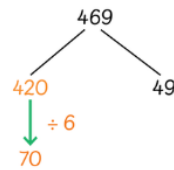
$$\begin{array}{r} 7 \\ 6 \overline{) 469} \end{array}$$



$$\begin{array}{r} 78 \\ 6 \overline{) 469} \end{array}$$



$$\begin{array}{r} 78 \text{ remainder } 1 \\ 6 \overline{) 469} \end{array}$$

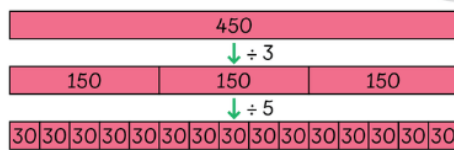


Year 6

Divide numbers up to 4 digits by a 2-digit whole number. Interpret remainders in division. Solve problems involving division. Solve problems involving the calculation and conversion of units of measure.

Dividing by a 2-digit number

$450 \div 15 = \square$



$450 \div 15 = 30$

30 boxes are needed to pack the paintbrushes.

Long division

$450 \div 15 = 450 \div 3 \div 5$



Long division, multi-digit

$$4676 \div 28 = \square$$

$$\begin{array}{r} 1 \\ 28 \overline{) 4676} \\ \underline{- 28} \end{array} \quad \rightarrow 28 \text{ hundreds} \div 28 = 1 \text{ hundred}$$

$$\begin{array}{r} 16 \\ 28 \overline{) 4676} \\ \underline{- 28} \\ 187 \\ \underline{- 168} \end{array} \quad \begin{array}{l} \rightarrow 28 \text{ hundreds} \div 28 = 1 \text{ hundred} \\ \rightarrow 168 \text{ tens} \div 28 = 6 \text{ tens} \end{array}$$

$$\begin{array}{r} 167 \\ 28 \overline{) 4676} \\ \underline{- 28} \\ 187 \\ \underline{- 168} \\ 196 \\ \underline{- 196} \\ 0 \end{array} \quad \begin{array}{l} \rightarrow 28 \text{ hundreds} \div 28 = 1 \text{ hundred} \\ \rightarrow 168 \text{ tens} \div 28 = 6 \text{ tens} \\ \rightarrow 196 \text{ ones} \div 28 = 7 \text{ ones} \end{array}$$

$$4676 \div 28 = 167$$

Long division with a remainder

$$2004 \text{ l} \div 16 = \square$$

$$\begin{array}{r} 125 \\ 16 \overline{) 2004} \\ \underline{- 16} \\ 40 \\ \underline{- 32} \\ 84 \\ \underline{- 80} \\ 4 \end{array}$$

$$2004 \div 16 = 125.25$$