Maths Home Learning Pack:

Test your Maths Skills

FIFTY PENCE 50 P

TEN PENCE 10 p

TWENTY PENCE 20 p
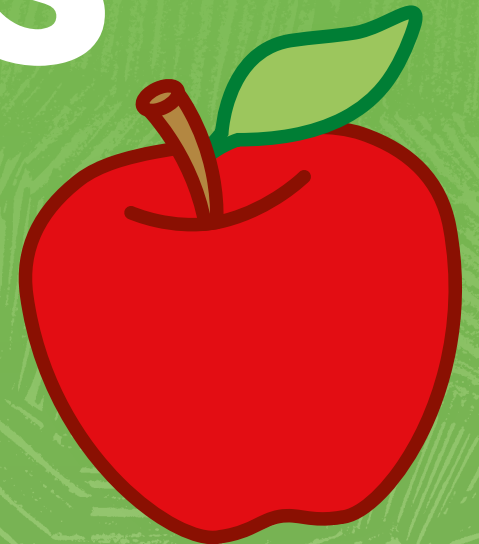
Directions

These questions are all
about turns and position.
Are you sitting comfortably?

1 Show where the arrow will point to if
it makes a quarter turn anti-clockwise?

N

2 Mark the right angles on this
house shape.

3 Which compass direction is opposite north?

....

4 Draw a circle in D1.

5
4
3
2
1

A   B   C   D   E
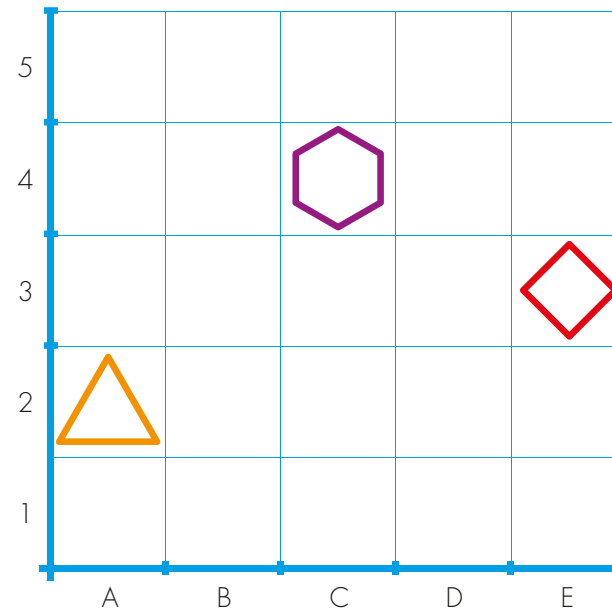
5 What position on the grid are these shapes?

Triangle [   ]   Diamond [   ]   Hexagon [   ]
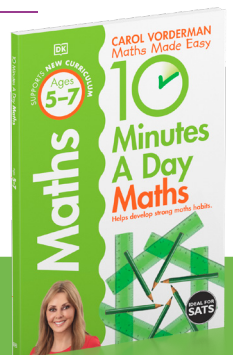
Times tables

Do you know your 2s, 5s, 10s, 3s, and 4s times tables?
If so, then you are ready to answer these questions.

1 Move along the number line counting in groups of 3.

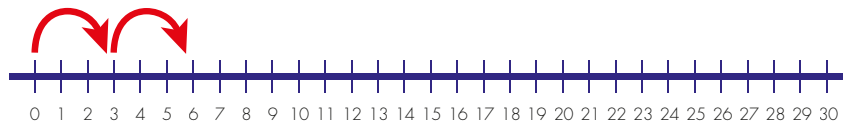0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

2 Complete the number sentence.

If 8 x 3 = 24, then 3 x 8 = ☐

3 Circle the multiples of 4.

12   21   28   35   40

4 Complete the multiplication square.

X	1	2	3	4	5
1		2		4	
2	2	4	6		10
3	3		9	12	
4	4	8	12		20
5		10		20	

5 Fill in these steps.

5 x 2 = ☐   7 x 2 = ☐
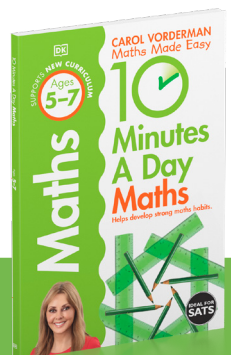
10 x 2 = ☐   14 x 2 = ☐

5 x 4 = ☐   7 x 4 = ☐

Extension task: Draw another multiplication square going up to ten on each side.
Can you complete it?

Suitable for 5–7 years

Diagrams

Carroll diagrams and Venn diagrams
show how things are sorted into groups.

	Odd numbers	Even numbers
Less than 10	3	8
More than 10	21	14
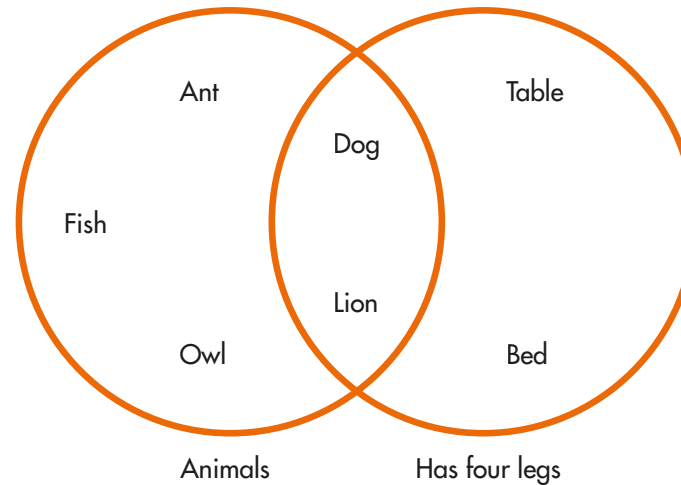
① Add these numbers onto the diagram above.
   6   15   27   32

② In the diagram, which odd number is less
   than 10?

Animals   Has four legs

Ant   Dog   Table

Fish

                 Lion

Owl   Bed

③ On this diagram, which animals have four legs?

....

④ On this diagram, which animals do not have four legs?

....

⑤ Add a drawing of a chair onto the diagram.
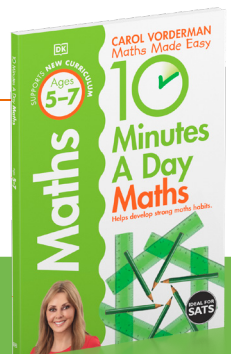
Shopping

Getting to know all about using money is very helpful especially for when you go shopping.

1 Circle the three coins you would use to make 35p?

ONE PENNY 1p   TWO PENCE 2p   FIVE PENCE 5p

TEN PENCE 10p   TWENTY PENCE 20p   FIFTY PENCE 50p

3p   5p   10p
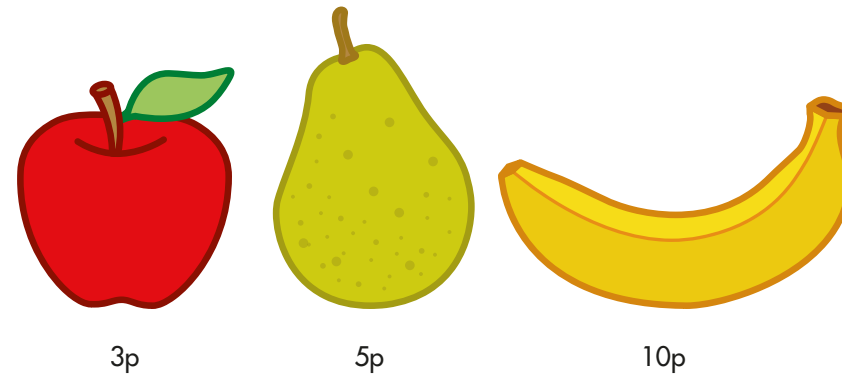
2 A pencil costs 5 pence. How much would 3 pencils cost?

4 How much will 3 apples and 1 pear cost?

3 A pen costs 12 pence. How much change will you get from 20 pence?

5 A woman buys 7 bananas. How much change does she get from £1.00?

Answers:

Top-left panel

① Show where the arrow will point to if it makes a quarter turn anti-clockwise?

N

W

② Mark the right angles on this house shape.

③ Which compass direction is opposite north?
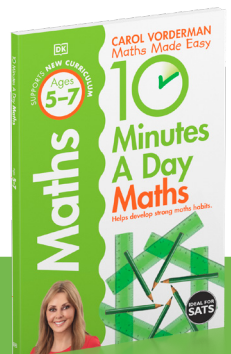
South

④ Draw a circle in D1.

	A	B	C	D	E
5					
4			hexagon		
3				diamond	
2	triangle				
1				circle	

⑤ What position on the grid are these shapes?

Triangle A2   Diamond E3   Hexagon C4

These questions are a mixture of challenges to encourage your child to think about position and turns. Show your child a compass and get out a few maps to show how the grid numbering works. Work out together the grid references of certain places and plan routes using directional language.

Top-right panel

	Odd numbers	Even numbers
Less than 10	3	8 6
More than 10	21 15 27	14 32

① Add these numbers onto the diagram above.
6   15   27   32

② In the diagram, which odd number is less than 10?   3

Venn diagram:
Ant, Fish, Owl (Animals); Dog, Lion (overlap); Table, Bed (Has four legs)
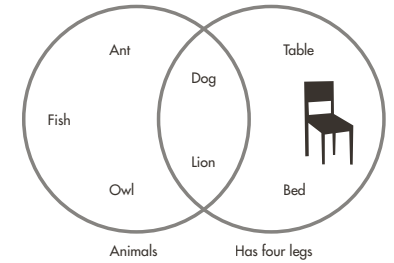
③ On this diagram, which animals have four legs?
Dog, lion

④ On this diagram, which animals do not have four legs?
Ant, fish, owl

⑤ Add a drawing of a chair onto the diagram.

If your child needs some help, discuss with her/him what goes within each box on the Carroll diagram. For the Venn diagram, can your child explain why some of the words are in the overlapping section of the two circles?

Bottom-left panel

① Move along the number line counting in groups of 3.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

② Complete the number sentence.

If $8 \times 3 = 24$, then $3 \times 8 = $ 24

③ Circle the multiples of 4.

(12)   21   (28)   35   (40)

④ Complete the multiplication square.

X	1	2	3	4	5
1	1	2	3	4	5
2	2	4	6	8	10
3	3	6	9	12	15
4	4	8	12	16	20
5	5	10	15	20	25

⑤ Fill in these steps.

$5 \times 2 = $ 10 $7 \times 2 = $ 14

$10 \times 2 = $ 20 $14 \times 2 = $ 28

$5 \times 4 = $ 20 $7 \times 4 = $ 28

These pages cover further multiplication practice with 3x and 4x tables as well. Encourage your children to chant or sing the times tables they know to get the facts reinforced in their minds. Times table podcasts can be downloaded from the *www.dk.co.uk* website.

Bottom-right panel

① Circle the three coins you would use to make 35 p?

1p   2p   5p   10p   20p   50p

② A pencil costs 5 pence. How much would 3 pencils cost?

15 p

③ A pen costs 12 pence. How much change will you get from 20 pence?

8 p

Fruit: 3 p (apple), 5 p (pear), 10 p (banana)

④ How much will 3 apples and 1 pear cost?

14 p

⑤ A woman buys 7 bananas. How much change does she get from £1.00?

30 p

Space has been provided for children to set out their workings or draw to visualize the problem. Remind them to write the unit (p or £) for each answer. There is no "p" needed if a "£" sign has already been used.