



**Maths Fluency**  
**Home Learning Pack Year 6**

**Week 2**

**11/1/2021**

Please complete **both starter tasks** and the **arithmetic questions each day.**

If you find something is too challenging, have a go and then move on. You can always come back to it later.

The main thing is to practice every day.

# Day 1

## Starters

a)

Write these times in order, starting with the shortest.

24 days

10 weeks

1 month

48 hours

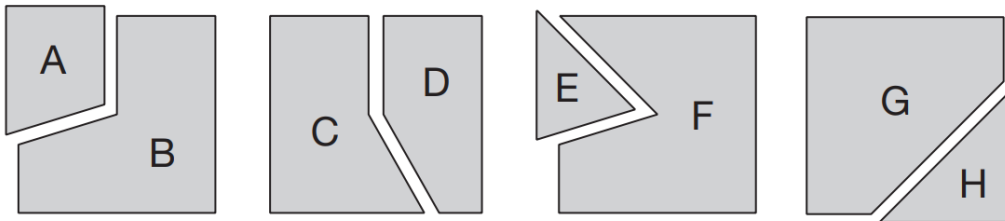


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shortest

b)

Each of these four squares has been cut into two new shapes.



Write the letters of all the new shapes that are **hexagons**.



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Write the letters of all the new shapes that are **pentagons**.



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Day 1 Arithmetic

1.  $23.2 + 42.4 =$

2.  $93,214 - \quad = 7,859 \text{ (W)}$

3.  $62.34 \times 100 =$

4.  $76.43 + 24.78 =$

5.  $400 + 1,200 =$

## Day 2

### Starters

a) A book has five stories in it. This is the contents page.

Contents	
	page
Rocket Ship	5
Night Journey	17
Secret Palace	25
Jack	41
Deep Water	59

Deep Water finishes on page 68

Which is the longest story?



\_\_\_\_\_

b)

An iced cake costs 10p more than a plain cake.

Sarah bought two of each cake.



They cost £1 altogether.

What is the cost of an **iced** cake?



Show  
your **working**.  
You may get  
a mark.

**p**

15

15

2 marks

Day 2 Arithmetic

1.  $87.1 + 11.2 =$

2.  $\frac{3}{4}$  of 132 =

3.  $3,380 \div 6 =$

4.  $69 - 31 =$

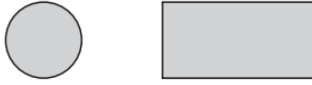
5.  $87.32 - 37.41 =$

## Day 3

### Starters

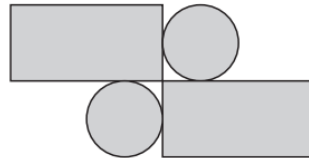
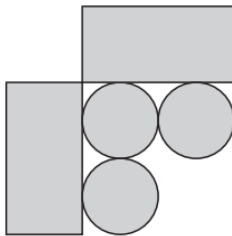
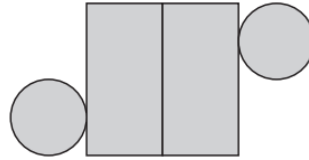
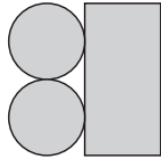
a)

Amy has some circular tiles and some rectangular tiles.



She makes these patterns with them.

For each pattern, put a tick (✓) if it has a line of symmetry.  
Put a cross (✗) if it does not.



b)

Three **different** numbers add up to 40

The numbers are all even.

Each number is less than 20

Write what the three **different** numbers could be.



+

+

= 40

Day 3 Arithmetic

1.  $32 + 47 =$

2.  $45.32 + 2.23 =$

3.  $56.47 - 23.85 =$

4.  $8.73 \times 10 =$

5.  $4,568 \div 7 =$

## Day 4

### Starters

a) Liam makes a sequence of numbers starting with 300

He subtracts 125 each time.

Write the next two numbers in Liam's sequence.



300

175

50

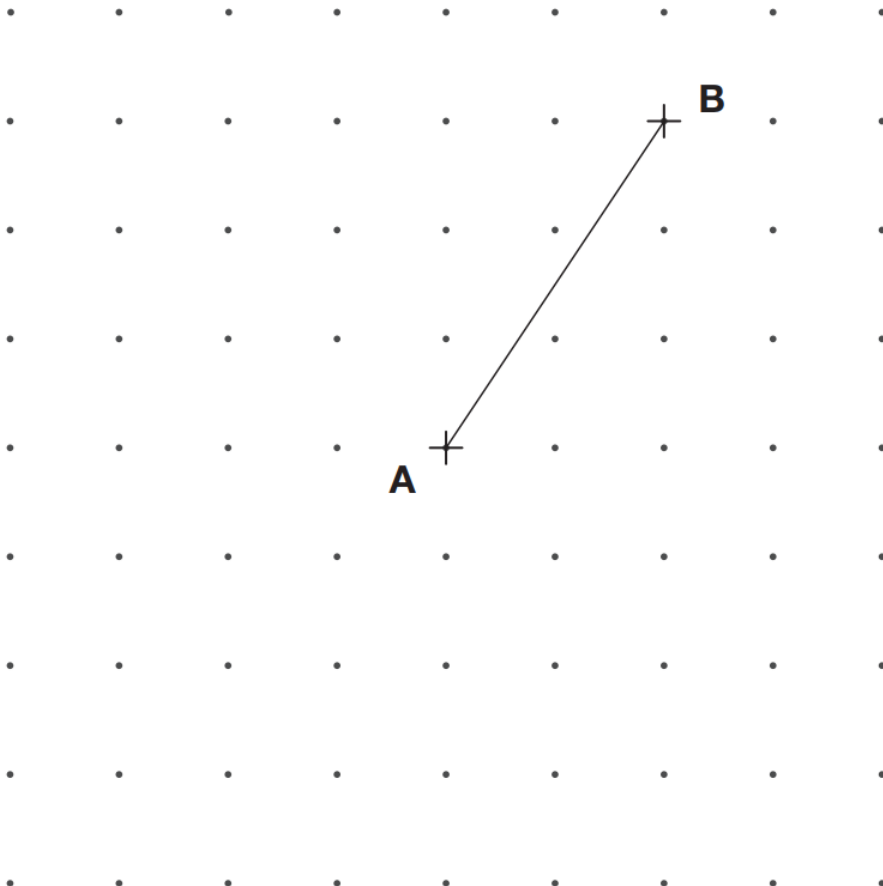
b)

Here is a grid of dots.

Point **A** and point **B** are joined by a straight line.

Draw a line to join point **A** to another dot on the grid so that the two lines make a right angle.

Use a ruler.





Day 4 Arithmetic

1.  $87 + 21 =$

2.  $46 \times 29 =$

3.  $893 + 30 =$

4.  $93.1 \times 100 =$

5.  $2,074 \div 7 =$

## Day 5

### Starters

a)

Circle the fraction that is greater than  $\frac{1}{2}$  but less than  $\frac{3}{4}$



$$\frac{7}{8}$$

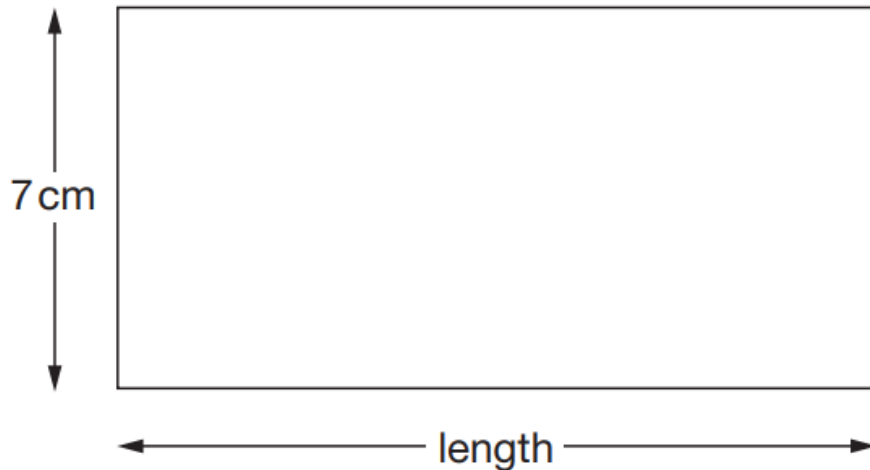
$$\frac{2}{5}$$

$$\frac{1}{3}$$

$$\frac{5}{8}$$

$$\frac{3}{6}$$

b)



**Not  
actual  
size**

The perimeter of this rectangle is 50 centimetres.

Calculate the length of the rectangle.

Day 5 Arithmetic

1.  $\frac{5}{6}$  of 36 =

2.  $69.56 + 13.68 =$

3.  $56.43 + 11.3 =$

4.  $3.321 \times 100 =$

5.  $857 + 14,894 =$