Decimals problems... how far can you go?

1

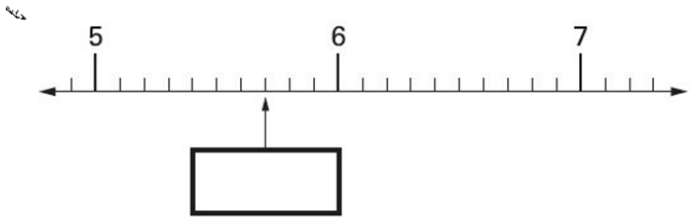
Tick each of the cards that shows **more** than a half.

$\frac{6}{8}$	70%	
37%	0.34	$\frac{3}{4}$
$\frac{3}{6}$	0.55	

2

Here is part of a number line.

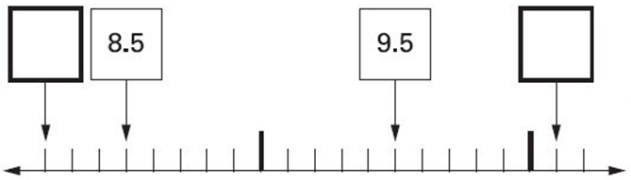
Write the **missing** number in the box.



3

Here is part of a number line.

Write in the numbers missing from the **two** empty boxes.



4

Here are three bags in a shop

A	B	C
£11.50	£14.65	£16.50

How much does bag B cost to the nearest pound?

£

5

Jamie buys bag A and bag C.

How much change does he get from £40?

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

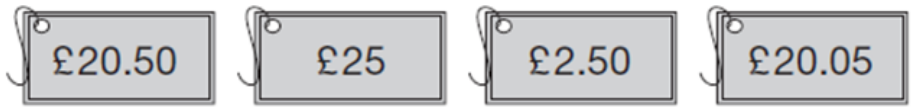
£

6 . Write these prices in order, starting with the smallest.

72p	£2.70	£0.27	£7.20	£2.07

smallest

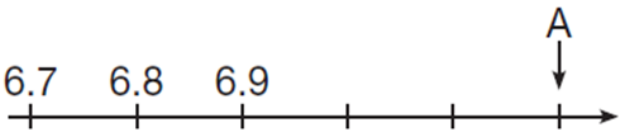
7 Write these prices in order, starting with the **smallest**.



£	£	£	£

smallest

8



What number is marked at A?

9 . Write in the missing numbers.

(a) 3.42 + 12.7 = ☐

(b) 32.62 ÷ 10 = ☐

10 Circle **two** numbers which **add** to make **0.12**

0.1 **0.5** **0.05** **0.7** **0.07** **0.2**

11 Circle **two numbers** which have a **difference of 2**

–1 **–0.5** **0** **0.5** **1** **1.5**

12 Put a tick (✓) in **each row** to complete this table.

One has been done for you.

	greater than $\frac{1}{2}$	less than $\frac{1}{2}$
0.9	✓	
0.06		
$\frac{11}{20}$		
0.21		

13 Circle the **two** fractions that are equivalent to **0.6**

$\frac{6}{10}$ $\frac{1}{60}$ $\frac{60}{100}$ $\frac{1}{6}$

14

	rounded to the nearest whole number is →
6.01 →	6
9.51 →	
7.75 →	

15

Calculate **8.52 – 7.78**

16

What is the **difference** in price between the **most** expensive and **least** expensive sunglasses?

£

17

A torch costs £7.65

Kate buys a torch and **two** batteries.

She pays £8.75 altogether.

How much does **one** battery cost?

18

Calculate **3.81 + 18.3**

19

Circle two decimals that have a difference of 0.5

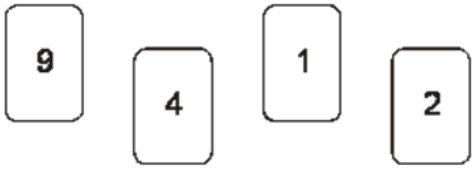
0.2 0.25 0.4 0.45 0.6 0.75

20

Circle all the numbers that are **greater than** 0.6

0.5 0.8 0.23 0.09 0.67

21 Here are four digit cards.



Use each digit card **once** to make the decimal number **nearest to 20**

22 The shop also sells sun hats.

Ryan buys the **£4.69 sunglasses** and a **sun hat**.

How much change does he get from **£10**?

23 Tick (✓) the **two** numbers which have a total of **10**

0.01	0.11	1.01
9.09	9.9	9.99

24 Write in the missing number.

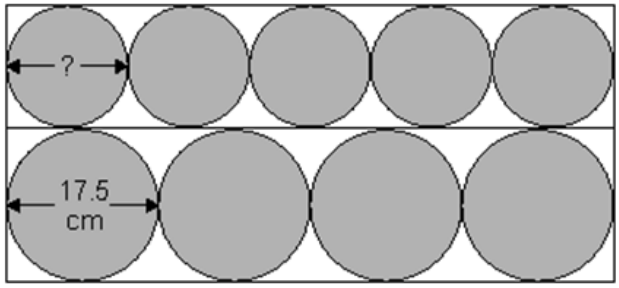
17.5	×	6	=	25	×	

25 7.4 8.1 9.4 10

Which two of these numbers, when multiplied together, have the answer closest to 70?

and

Four large circles and five small circles fit exactly inside this rectangle.

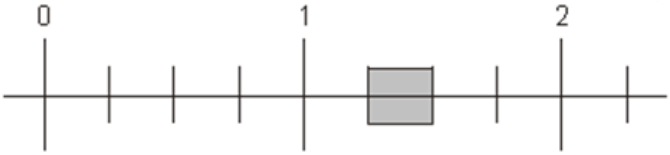


26

The **diameter** of a large circle is **17.5** centimetres.

Calculate the **diameter** of a small circle.

27 Part of this number line is shaded.



Circle **all** the numbers below that belong in the shaded part of the number line.

1.1 1.4 $1\frac{1}{3}$ $1\frac{1}{5}$