

Decimals problems... how far can you go?

1

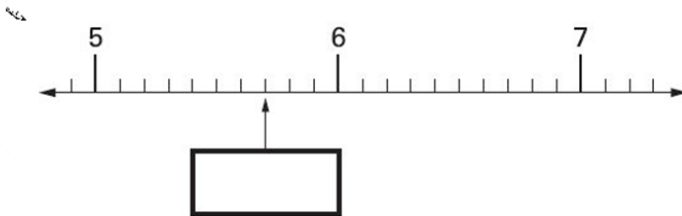
Tick each of the cards that shows **more** than a half.

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

2

Here is part of a number line.

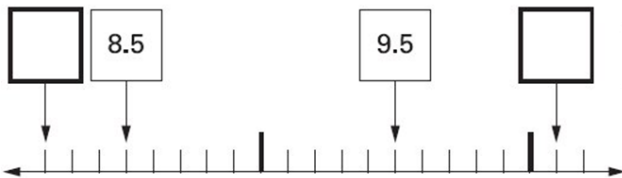
Write the **missing** number in the box.



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  
£11.50

B  
£14.65

C  
£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

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

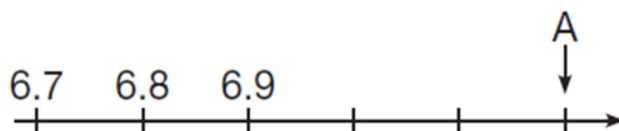
7

  £   £   £   £

smallest

8



What number is marked at A?



9 . Write in the missing numbers.

(a)  $3.42 + 12.7 =$

(b)  $32.62 \div 10 =$

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 →

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

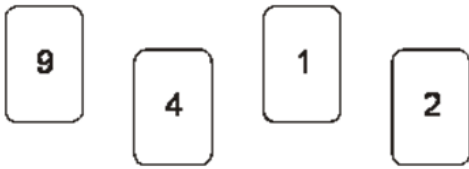
20

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.

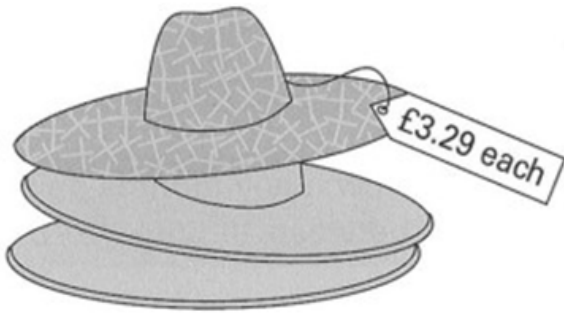


Use each digit card **once** to make the decimal number **nearest to 20**



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.

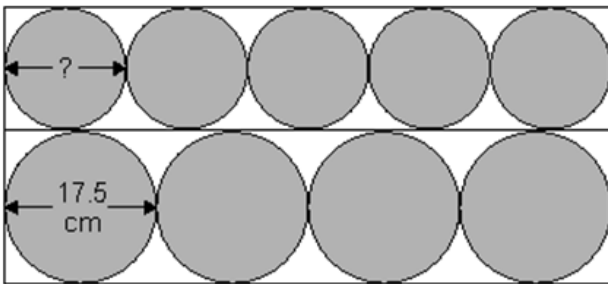
$$\boxed{17.5} \times \boxed{6} = \boxed{25} \times \boxed{\phantom{00}}$$

25 7.4 8.1 9.4 10

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

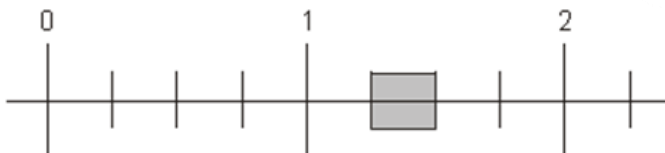
  and

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

$\frac{1}{3}$

$\frac{1}{5}$