1. Look at the following list of numbers.

20, 21, 22, 23, 24, 25, 26, 27, 28.

Using only the numbers in the list, write down

a cube number, (a)[1] *(b)* a prime number. [1] 2. Find the value of (a)  $3^4 \times 2^3$ , [2] (b)  $6 \cdot 7 - 3 \cdot 84$ . [1]

Find the	value of	
<i>(a)</i> th	e cube of 4,	
<i>(b)</i> 0 <sup>.</sup>	$3 \times 0.2$ ,	
	entre /	
(c) 3 <sup>2</sup>	$2 \times 2^4$	
(0) 5	~2,	
<i>(d)</i> 8	.7 - 3.24.	
 Inne Sali	(i) at 21 bat 1.0 200 - 0.00	Showing all your working read which of the y

1. (a) Use the fact that  $86 \times 73 = 6278$  to write down the answers to the following.

	(i)	8·6 × 73 =						
	<i>(</i> '')	260						[1]
	(ii)	$860 \times 7.3 =$		Ţ				
	(iii)	6278 ÷ 73 =						[1]
								[1]
(b)	Find	the value of $3^3 \times 2^3$	2 <sup>3</sup> .					
								[2]
Show (ii) th	v <b>ing a</b> l ne large	<b>ll your working</b> , est.	find which	of the qua	ntities $\frac{9}{20}$	•, 40% an	d 0·42 is (i	) the smallest,
				Ţ				
(i) S	malles	t =		(	ii) Larges	t =		[3]

2.

## 3. Showing all your working, find which of the quantities 60%, 0.7 and $\frac{13}{20}$ is (i) the smallest, (ii) the largest.



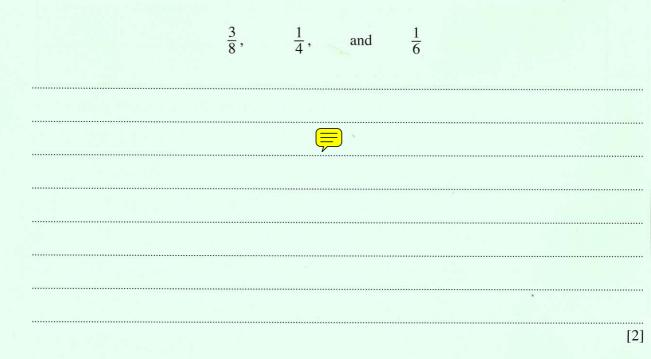
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(i) Smallest =  $\dots$  (i

(ii) Largest =  $\dots$ 

6. Showing clearly how you decide, find which of the following fractions is closest to  $\frac{1}{3}$ .



1. Use the fact that  $28 \times 49 = 1372$  to write down the answers to the following.

2

	(a)	2·8 × 4·9 =			
	(b)	14 × 490 =		ENTERNISOLATE TEER ENPERIE	[1]
		ENDERS / P 20			[1]
	(c)	$137.2 \div 49 =$			
					[1]
2.	Find	the value of			(1 ÷.)
	(a)	$5^3 \times 2^3$ ,			
		2	3	and only and the second s	
					[2]
	(b)	28.6 - 12.73.			[2]
		4			
				for shard Laive details of your motional of solution	[1]

		Balancia (1997) Sanata (1997) (1997)	10 Junio 1 Anim
 (a)(	10.975	enti	 Colocr
		v naa 😑 xee 's	

4. Clearly showing how you obtained your answer, ESTIMATE the value of:

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 $\frac{809 \times 287}{42}$ 

.....

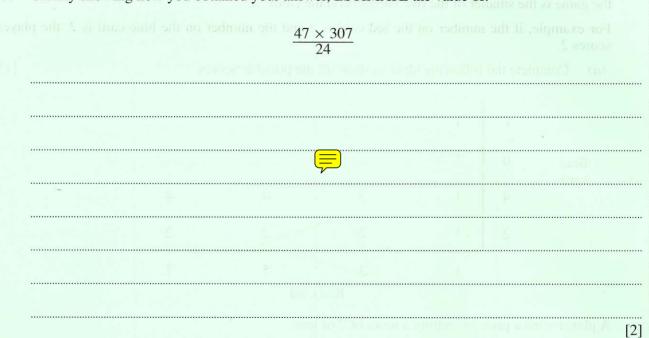
[3]

5. Clearly showing how you obtained your answer, ESTIMATE the value of

 $\frac{52 \times 95}{493}$ 



8. Clearly showing how you obtained your answer, ESTIMATE the value of:



(a)	Write down 789.6 correct to 3 significant figures. In the solution of the subay out build
(b)	Write down 0.05726 correct to 2 significant figures.
(c)	Find the value of $3^4 \times 2^2 \times 5^2$ .
	Find the value of $\frac{7}{10} - \frac{2}{5}$ .

- 4. Write down the following numbers correct to 2 significant figures.
  - (a) 0.063732 in the order of the order of the test of the state of



## (a) Write down 74.8612 correct to 3 significant figures.

## (b) Write down 6.0432 correct to 2 signification gures.