AQA - Numbers - GCSE 2022 Mathematics

1.	June/2022/Paper_8300/3F/No.2						
	Circle the number that is	a factor of 10			[1 mark]		
	7	6	5	4			
2.	20 minu 40 minu 1 hour 3 Work out the total ti	parts of a journey are ites ites 80 minutes. me for the journey.					
	Give your answer in				[2 marks]		
	An	swer		hours			

Work out the multiple of 60 that is closest to 400	[2 marks]
Answer	
Work out the highest common factor (UCE) of 12 and 19	
Work out the highest common factor (HCF) of 12 and 18	[2 marks]
Answer	

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- **4.** June/2022/Paper_8300/3F/No.17
 - (a) Calculate $2^7 \times 5^2$

[1 mark]

Answer _____

(b) Calculate $\sqrt[4]{20736}$

[1 mark]

Answer ____

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5	lune	/2022	/Paper	8300	/3F	/No 28
J.	Julie	LULL	/ raper	0300	/ JI.	/ 110.20

Tom and Adil are the two runners in a 200-metre race.

Tom completes the race in 24 seconds.

Adil completes the race at an average speed of 28.8 kilometres per hour.

Who wins the race?	
You must show your working.	[3 marks]
Anguar	

6. June/2022/Paper_8300/3H/No.26

 ${\it Q}$ and ${\it R}$ are two numbers.

As a product of prime factors,

$$Q = 2^3 \times 3 \times a^3$$

$$R = 2^4 \times 3^2 \times a^2$$

(a) The highest common factor (HCF) of Q and R is 4056

Work out the value of a.

(b) Work out the lowest common multiple (LCM) of Q and R.

[2 marks]

Answer