
GCSE Mathematics

Venn Diagrams & Set Notation

Mark Scheme - Foundation Tier | Grades 5-7

M = method mark, A = accuracy mark (dependent on the preceding M mark), B = independent mark.

© Teachably. This resource may not be copied or distributed without permission.

Edexcel-style questions

Q1 Grade 5 Edexcel style

Total: 1

Part	Mark scheme	Marks
(a)	5	B1

Q2 Grade 5 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	$30 - 10 - 6 - 9$	M1
(a)	5	A1

Q3 Grade 6 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	$12 + 5 + 8$	M1
(a)	25	A1

Q4 Grade 6 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	$\frac{5+8}{28}$	M1
(a)	$\frac{13}{28}$	A1

Q5 Grade 7 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	$(x + 2) + 5 + x + 3 = 20$	M1
(a)	$x = 5$	A1

AQA-style questions

Q6 Grade 5 AQA style

Total: 1

Part	Mark scheme	Marks
(a)	15	B1

Q7 Grade 6 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	45 - 14 - 8 - 12	M1
(a)	11	A1

Q8 Grade 6 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	40 - 6	M1
(a)	34	A1

Q9 Grade 6 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	$\frac{6+9}{40}$	M1
(a)	$\frac{15}{40} = \frac{3}{8}$	A1

Q10 Grade 7 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	$2x + 4 + x + 6 = 28$	M1
(a)	$x = 6$	A1

OCR-style questions

Q11 Grade 5 OCR style

Total: 1

Part	Mark scheme	Marks
(a)	11	B1

Q12 Grade 6 OCR style

Total: 2

Part	Mark scheme	Marks
(a)	35 - 5 - 10 - 6	M1
(a)	14	A1

Q13 Grade 6 OCR style

Total: 2

Part	Mark scheme	Marks
(a)	D but not C	M1
(a)	18	A1

Q14 Grade 6 OCR style

Total: 2

Part	Mark scheme	Marks
(a)	7 / 40	M1
(a)	$\frac{7}{40}$	A1

Q15 Grade 7 OCR style

Total: 2

Part	Mark scheme	Marks
(a)	$x + x + 8 + 4 = 28$	M1
(a)	$x = 8$	A1

Teachably-style questions

Q16 Grade 5 Teachably style

Total: 1

Part	Mark scheme	Marks
(a)	11	B1

Q17 Grade 6 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	25 - 7 - 6 - 4	M1
(a)	8	A1

Q18 Grade 6 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	neither R nor W	M1
(a)	11	A1

Q19 Grade 6 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	$\frac{9+6}{30}$	M1
(a)	$\frac{15}{30} = \frac{1}{2}$	A1

Q20 Grade 7 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	$2x + 3 + x + 6 = 27$	M1
(a)	$x = 6$	A1

END OF PAPER

Want help from an expert maths tutor?

Book a free GCSE Maths consultation with our team at Teachably. Visit teachably.co.uk/book-call to get started.