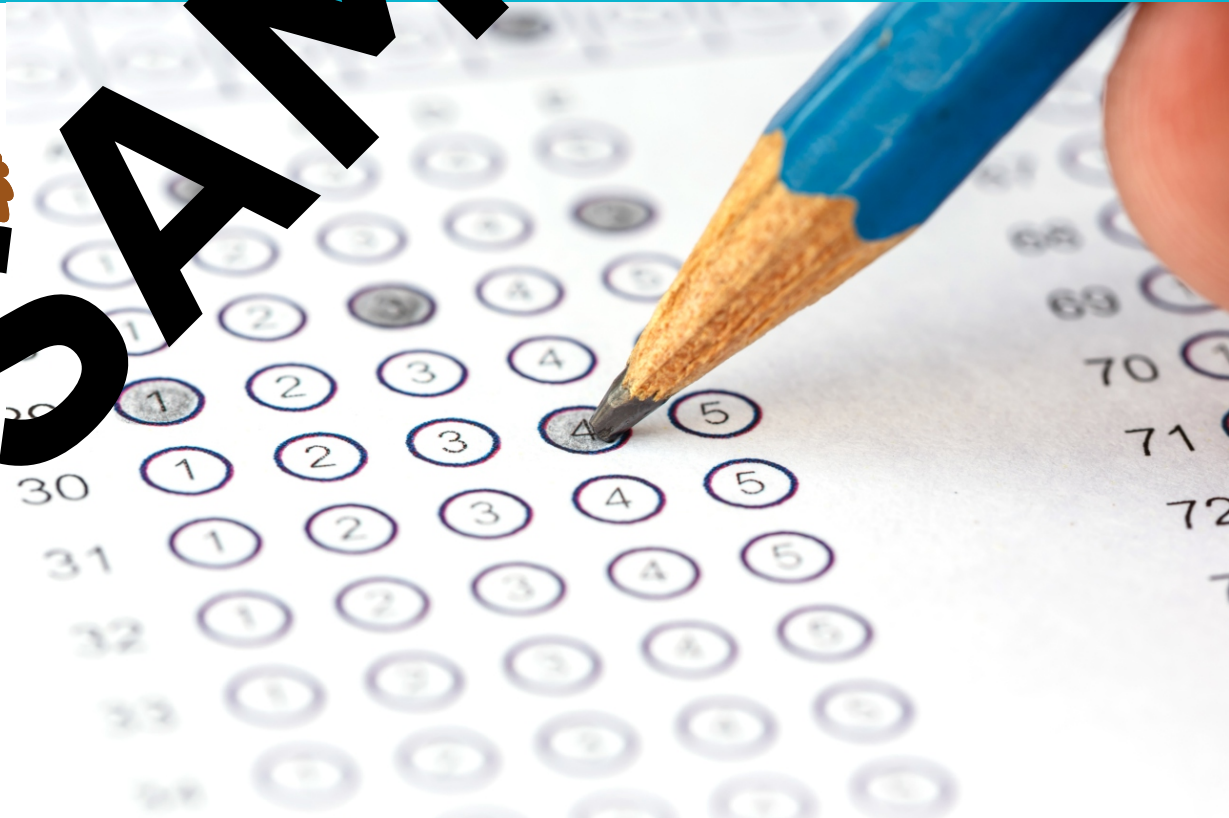


Question Test Pack Maths

for SEAG Entrance Assessment

SAMPLE



PMP Publications

Other titles available from PMP Publications
for SEAG Entrance Assessment preparation

- * Parent-Pupil English Information File 1:
Punctuation, Grammar and Spelling
- * Parent-Pupil English Information File 2:
Comprehension and Vocabulary
- * English Punctuation, Grammar and Spelling Test Pack 1
(39 check-up exercises)
- * English Punctuation, Grammar and Spelling Test Pack 2
(27 check-up exercises)
- * English Comprehension Test Pack 1 *(10 tests)*
- * English Comprehension Test Pack 2 *(16 tests)*

- * Parent-Pupil Maths Information File 1: *Number*
- * Parent-Pupil Maths Information File 2: *Measures*
- * Parent-Pupil Maths Information File 3: *Shape and Space*
- * Parent-Pupil Maths Information File 4: *Handling Data*
- * Maths Question Test Pack *(6 tests)*

- * Practice Tests Series 1 *(3 complete tests)*
- * Practice Tests Series 2 *(3 complete tests)*
- * Practice Tests Series 3 *(3 complete tests)*

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SAMPLE

Test 1

Mark: / 28

Children should have **30 minutes** to complete this test.

Candidate's Name

DATE OF TEST					
Day		Month		Year	

You should choose the **best** answer and mark the box beside or below its letter with a thin horizontal line like this .

1 The area of a rugby pitch is 6,392 square metres.
 A football pitch measures 115 metres long and 80 metres wide.
 How many square metres smaller is the area of the rugby pitch than the area of the football pitch?

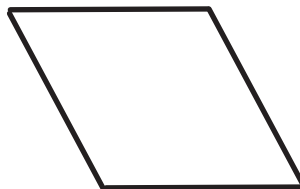
- A** 9200 m²
 B 2908 m²
 C 309 m²
 D 2808 m²
 E 6197 m²

2 Convert this measurement.

$$1701 \text{ g} = \text{[] kg}$$

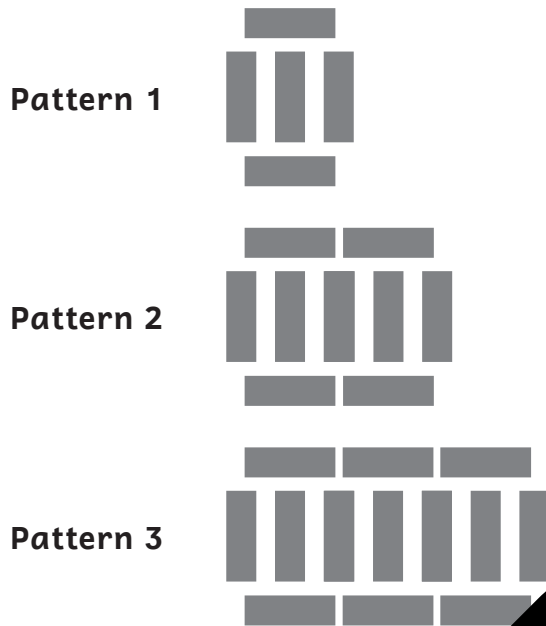
- A** 1701 kg
 B 1701 kg
 C 170.1 kg
 D 1.7 kg
 E 0.1701 kg

3 How many lines of symmetry does the shape below have?



- A** 0
 B 1
 C 2
 D 3
 E 4

22 Here is a pattern made from blocks.



Which pattern will have 12 blocks?

A 9

B 10

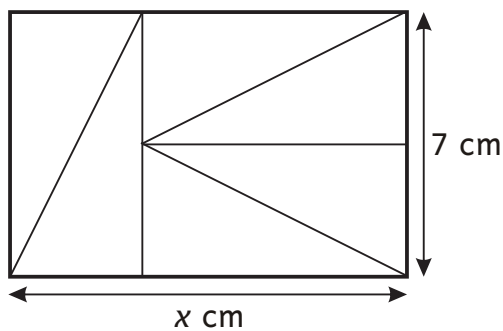
11

D 12

E 13

For questions 23–28 you may write your answers, neatly, in the box beside the question.

23 A rectangle has been created from 6 identical right-angled triangles.



What is the length (x) of the rectangle?

cm

14 Complete the following number sequence.

1, 8, 27, , 125

A 32

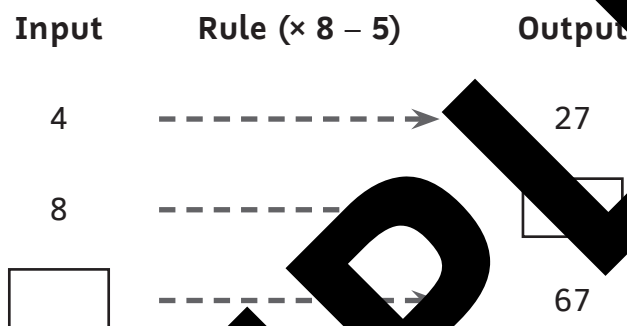
B 64

C 100

D 74

E 96

15 What are the missing input and output numbers on the function machine below?



A 59 & 10

B 50 & 9

C 64 & 9

D 59 & 4

E 59 & 9

16 The table below shows the number of points scored by 6 Super League rugby players during the first 6 weeks of the season.

Player	1	2	3	4	5
Player 1	didn't play	20	didn't play	15	7
Week 2	10	16	24	14	16
Week 3	didn't play	10	16	didn't play	5
Week 4	7	7	20	16	0
Week 5	7	15	4	6	15
Week 6	8	4	didn't play	14	5
TOTAL					

How many points did player 4 score over the 6 weeks?

A 55

B 75

C 50

D 65

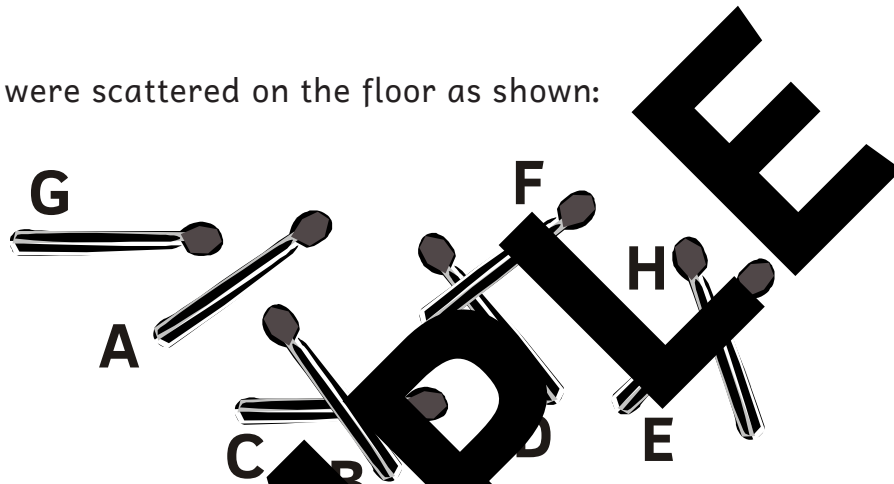
E 14

- 13** Amanda buys 4 pens and a ruler and pays £4.75 altogether.
Josh buys 2 pens and pays £1.98 altogether.

How much does Amanda's ruler cost?

- A** £1.79 **B** 79p **C** 81p **D** 77p **E** 97p

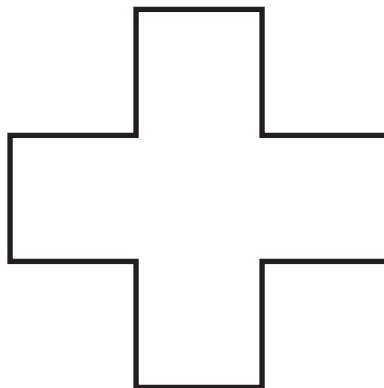
- 14** Matches were scattered on the floor as shown:



Which 2 matches are perpendicular to each other?

- A** B & C **B** D & F **C** E & H **D** A & G **E** none

- 15** How many lines of symmetry are there on the shape below?



- A** 0 **B** 2 **C** 4 **D** 6 **E** 8

Mark: / 28

Test 5

Children should have **30 minutes** to complete this test.

Candidate's Name

DATE OF TEST					
Day		Month		Year	

You should choose the **best** answer and mark the box beside or below its letter with a thin horizontal line like this .

1 Approximately how long would it take for a person to walk 1 km?

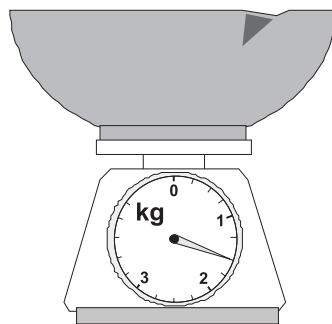
- A 10 mins
B 4 hours
C 300 mins
D 1 hour
E 10 mins

2 On a cold winter's day in December the temperature inside a school was 15°C higher than the temperature outside.

If the temperature inside was 8°C, what was the outside temperature?

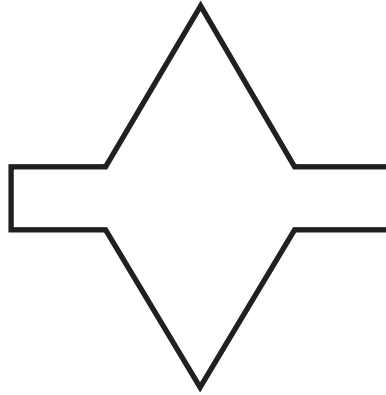
- A 7°C
B 22°C
C -8°C
D -7°C
E -15°C

3 What weight is shown on the scales below?



- A 1.25 kg
B 1.75 kg
C 1.5 kg
D 1.35 kg
E 1.45 kg

7 How many lines of symmetry are there on the shape below?



A 0

B 1

C 2

D 3

E 4

8 What is the ninth number in this sequence?

16, 25, 36, _____, _____, _____, _____, _____, _____

A 81

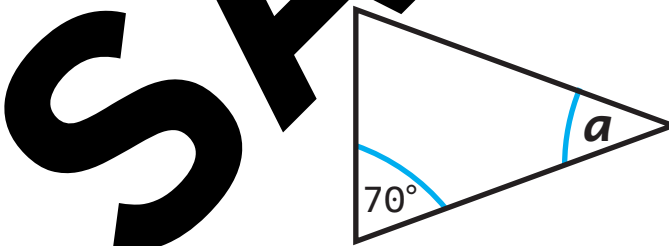
B 156

C 125

D 144

E 132

9 What is the value of angle a on the triangle below?



A 70°

B 90°

C 30°

D 40°

E 20°

10 If 542.8 was divided by 100, which answer below you would get?

A 54280

B 5.428

C 5428

D 54.28

E 5042.8

12 What is the value of $\frac{1}{4}$ of £25?

A £6

B £5

C £7.50

D £6.25

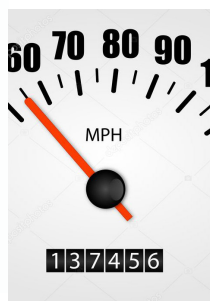
E £6.50

13 Which is the most appropriate instrument for measuring the length of a pencil case?



trundle wheel

A



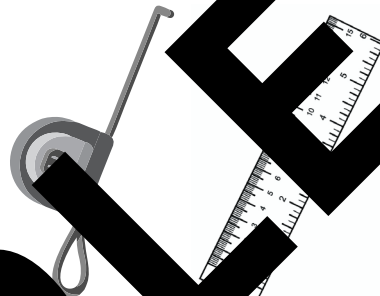
odometer

B



measuring stick

C



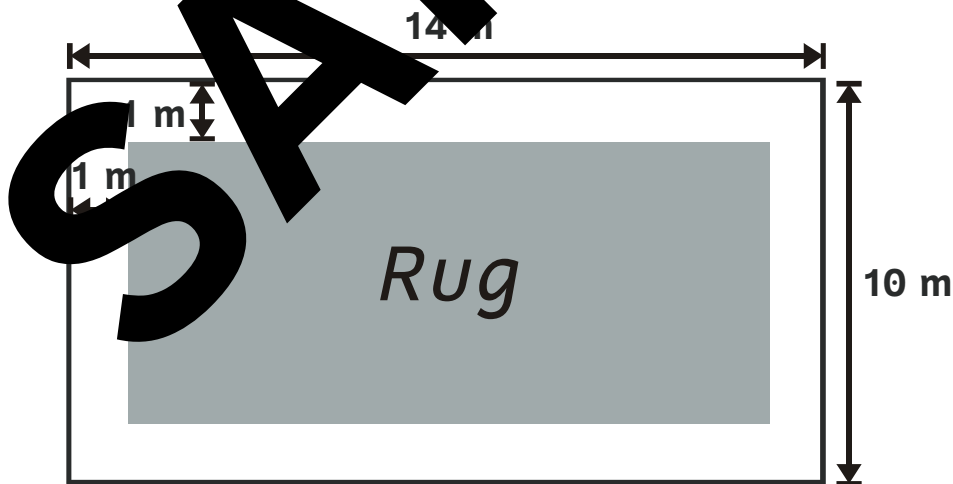
tape measure

D

ruler

E

14 A large rug was placed on a wooden floor.



What is the width of the rug?

A 14 m

B 12 m

C 9 m

D 8 m

E 10 m

- 28** In the box, write the rule to find the next number in the following sequence:

31 26 21 16

SAMPLE

END OF TEST

**Answer
Key**

SAMPLE



Test 1*see page 6***Test 2***see page 16*

1. D – 2808 m²
2. B – 1.701 kg
3. C – 2
4. D – tape measure
5. E – 2 km
6. D – 0.75
7. E – 110.25 cm²
8. D – 15.0
9. B – £12.25
10. A – (25, 14)
11. C – 4.301
12. D – 136 cm
13. A – l (litres)
14. D – 1.24 kg
15. D – 50
16. B – 1
17. D – 11.9
18. E – Line graph
19. D – $\frac{3}{4}$
20. C – 19°C
21. D – 75 cm
22. D – 12
23. 10.5 cm
24. Trapezium
25. £17
26. B
27. Anticlockwise
28. John

1. B – Odometer
2. D – 1
3. C – Bar graph
4. C – NW
5. D – 8 m
6. E – 10%
7. D – 0.2 km
8. D – 14.4 cm
9. D – 80 cm
10. D – 14
11. D – m (metres)
12. D – 1 cm²
13. C – 10
14. D – 64
15. E – 9 & 9
16. D – 55
17. D – 6 cm
18. A – 0.013
19. D – 20%
20. D – 4.5 m
21. D – 33 $\frac{1}{3}$ %
22. E – Family 5
23. Island
24. -3°C
25. 4th (July)
26. Cuboid
27. $\frac{3}{4}$
28. 15 hours

Test 3*see page 26***Test 4***see page 37*

1. B – 20 cm²
2. D – 61
3. D – 12
4. A – 35 m
5. C – (16, 6)
6. B – 2308 m
7. B – 1
8. D – 6 cm
9. C – 30
10. D – 1620°
11. E – 22 cm
12. C – 20
13. D – 5 h
14. B – Unlikely
15. B – Player 2
16. D – 33 $\frac{1}{3}$ %
17. D – E
18. D – 13
19. E – £32.50
20. C – 25%
21. D – 2750
22. A – 15
23. March, May, June
24. 5.5 m²
25. Pambus
26. 5 cm
27. 5
28. 9, 25, 49

1. C – 44:40
2. C – 300 m
3. D – trundle wheel
4. B – 3 mins
5. D – reflex
6. D – 0.75 kg
7. D – 3
8. E – £180
9. B – (7, 0)
10. C – 32, 64
11. D – 24
12. C – 64
13. B – 10
14. B – D
15. C – 4
16. C – 15%
17. C – $800 \div 25 = 25 \div 800$
18. C – 4, 1
19. D – 28°C
20. E – $\frac{1}{12}$
21. D – 52
22. D – 25%
23. $a = 115^\circ, b = 65^\circ$
24. 2 mins 36 secs
25. 3
26. 336 hours
27. 10 m²
28. 2, 7, 13, 29

Test 5

see page 46

Test 6

see page 56

1. D - 1 h
2. D - -7°C
3. C - 1.5 kg
4. C - acute
5. D - (5, 3)
6. D - 0.4 m
7. C - 2
8. D - 144
9. D - 40°
10. B - 5.428
11. D - square-based pyramid
12. D - £26
13. E - (3, 4)
14. D - 73.5 cm^2
15. C - g (grams)
16. E - $\frac{1}{5}$
17. B - 242 cm^2
18. A - Red
19. D - Jan & Apr
20. B - 30%
21. B - 5
22. D - 100 g
23. 27
24. 66 cm
25. kit
26. A or A, EF, DF
27. 635
28. 4, 12, 32, 36

1. B - 230 g
2. E - 14°
3. B - 19 cm^2
4. C - 2
5. C - 51°
6. E - 28,796
7. D - (6, 1)
8. D - £829.50
9. C - circle
10. E - 71°
11. D - 4
12. D - 25
13. E - rd
14. 8 m
15. C
16. D - 9
17. C - acute
18. D - Pond
19. C - 2
20. B - 16
21. E - 10%
22. C - There is only 1 lesson in Geography.
23. (7, 4)
24. 24.5 m^2
25. $a = 150^{\circ}$, $b = 40^{\circ}$
26. 2, 4, 12
27. A = 6, B = \div
28. Subtract 5 from the previous number.