

Year 9 Entrance Exam – Specimen
Paper 1 Answers (Marks available
in brackets)

1) 308356 (2)

2)

a. m^9 (1)

b. $x + 31$ (2)

3) 24 (2)

4)

a. 200 (2)

b. $2^2 \times 3 \times 5^2$ (3)

5) 2.95×10^5 (2)

6) 12 (3)

7) 36.432 (3)

8)

i. -27 (1)

ii. -24 (1)

iii. 144 (2)

9)

i. $6\frac{1}{4}$ or $\frac{25}{4}$ (1)

ii. $2\frac{1}{2}$ or $\frac{5}{2}$ (2)

10)

i. 84° (2)

ii. 84° (2)

iii. 96° (2)

11)

a. 1000 (2)

b. 19% (2)

c. 11:9 (2)

12) 13 (2)

13) $\frac{9}{40}$ (2)

14) 78 (3)

15)

a. $a + 4b + c$ (2)

b.

i. Top row:

$3x + 2y - 1$

Middle row: $2x,$

$x + 2y - 1$ (4)

ii. Top row: $8x + 3y$

Middle row: $3x$

Bottom row:

$3x + 3y$ (5)

16)

a. $1\frac{1}{4}$ or $\frac{5}{4}$ (2)

b. $\frac{13}{20}$ (3)

c. $\frac{5}{9}$ (3)

17)

a. 26 (1)

b. 125 (2)

c. 144 (2)

18)

a. 2 (2)

b. $17y^2$ (2)

c. $\frac{7x}{12}$ (2)

19)

a. 251.2 (3)

b. 50 (2)

20)

a. $y = -5$ (1)

b. $y = x$ (1)

c. $x = 0$ (1)

21)

i. 13 (2)

- ii. 4 (2)
- iii. $2\frac{1}{6}$ or $\frac{13}{6}$ (3)

For information:

Although the specimen papers and answers (to specimen paper 1) are made available to provide guidance, we cannot enter into any correspondence regarding the questions or the answers.

Note, however, that questions that involve several steps are likely to gain more credit than those that only involve one step.