

UOJMC Sample Test Answers — Year 9 (and below)

Question 1

- (a) \$775
- (b) \$40300
- (c) 34.84%
- (d) \$4.00
- (e) \$23.25

Question 2

- (a) 150
- (b) 125
- (c) 100

Question 3

- (a) 7.86
- (b) \$7.85
- (c) 40¢

Question 4

- (a) 100 cm^2
- (b) 20 cm
- (c) 50 cm
- (d) 1.25 cm
- (e) 132.8125 cm^2

Question 5

- (a) \$900
- (b) \$1881
- (c) \$5386.24

Question 6

- (a) 35 mm
- (b) 5 mm
- (c) 42 mm

Question 7

- (a) \$939
- (b) \$56
- (c) $23/59$

Question 8

- (a) 10.5 W
- (b) 14 V
- (c) 0.15 hours
- (d) 4 batteries

Question 9

- (a) 2033
- (b) 2106
- (c) 2046

Question 10

- (a) 36
- (b) 13
- (c) 120
- (d) 9
- (e) 204
- (f) 11

Question 11

- (a) 5 and 7
- (b) 2 and 5
- (c) 7 and 13

Question 12

- (a) (1, 2)
- (b) (-4, 1)
- (c) (3, -4)

Question 13

- (a) a
- (b) c
- (c) 7.07

Question 14

- (a) 60°
- (b) $\sqrt{3}$
- (c) $\frac{\sqrt{3}}{2}$

Question 15

- (a) 8 cubes
- (b) 24 cubes
- (c) 8 cubes

Question 16

- (a) 11
- (b) $\frac{4}{11}$
- (c) $\frac{2}{11}$
- (d) $\frac{6}{11}$