Quantitative Reasoning GMAT

Section: GMAT Quantitative Reasoning Exams • **Total Questions:** 10 • **Format:** Verified Q&A

1. Let x > 0, y > 0, and z > 0. If (1/x : 1/y : 1/z) = 2 : 5 : 9, then which of the following is equivalent to x:y:z?

(A) 10:18:45
(B) 14:10:45
(C) 18:10:35
(D) 35:14:10
(E) 1.887615741

2. In the decimal expansion of (0.003)^3 how many zeros are between the decimal point and the first nonzero digit?

(A) Six
(B) Seven
(C) Eight
(D) Nine
(E) Ten

3. A certain store charges for photocopies by the number of pages. The charge is 14 cents per page for the first 5 pages 8 cents per page for each additional page after the first 5 but before the 11th page and 6 cents per page for each additional page after the first 10 pages. How many cents less is the average charge per page for photocopies of 25 pages than for photocopies of 6 pages?

(A) 7
(B) 6
(C) 5
(D) 4
(E) 3

4. If (70% of 32.5) + (25% of x) = 36, then what is the value of x?

(A) 45
(B) 53
(C) 78
(D) 135
(E) 161

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5. In a straight row of flowers, there is only one red flower and one orange flower. The red flower is the 19th flower from the left, and the orange flower is the 6th flower from the right. Between these two, there are 5 flowers. How many flowers could there be in the row?

(A) 15 only
(B) 19 only
(C) 30 only
(D) 15 or 19
(E) 19 or 30

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6. Each week Ingrid earns a fixed salary and a sales commission that is a fixed percentage of her sales for that week. Ingrid has no other sources of income. Last week Ingrid's total earnings were $500 and her sales were $2,000. This week Ingrid's total earnings were $700 and her sales were $6,000. What is the percentage rate for Ingrid's sales commissions?

(A) 0.05%
(B) 4%
(C) 5%
(D) 20%
(E) 30%

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7. At a certain company all Type A printers work at one constant rate and all Type B printers work at another constant rate. If 12 Type A printers print 840000 pages in 8 hours and 8 Type B printers print 720000 pages in 8 hours what is the total number of pages that 4 Type A and 3 Type B printers will print together in 12 hours?

(A) 550000
(B) 625000
(C) 700000
(D) 775000
(E) 825000

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8. $(x?^3y?^3)?^3$

(A) 1/(x?y?)

(B) 1/(x?y?)

(C) x^3y^3

(D) x?y?

(E) x?y?

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9. If $100,000 is invested at an annual interest rate of 6%, how much more will the investment be worth at the end of the first year if the interest is compounded at the end of 6 months and again at the end of the year instead of just at the end of the year?

(A) Less than $10

(B) At least $10, but less than $100

(C) At least $100, but less than $1,000

(D) At least $1,000, but less than $10,000

(E) At least $10,000

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10. Ms. Waters, a social worker, made family visits Monday through Friday last week and wrote ane\cdotal reports on ? of the visits. She made 4 more visits on Tuesday than on Monday and 3 × as many total visits during the last three days as during the first two days. If she wrote a total of 30 ane\cdotal reports last week, how many family visits did she make on Tuesday?

(A) 3

(B) 4

(C) 6

(D) 7

(E) 8