

Name: _____ Date: _____

Acupuncture Algebra

Section A - Write the expression

1. Each session uses 8 needles. How many needles for s sessions? _____
2. A clinic charges \$45 per session. What is the cost of n sessions? _____
3. Each tray holds 12 needles. How many needles in t trays? _____
4. A patient has 30 needles used over d days. Needles per day? _____
5. Each meridian has 5 points. How many points on m meridians? _____
6. A treatment takes 25 minutes. How long for k treatments? _____

Section B - Solve for x

1. $6x = 48 \rightarrow x =$ _____
2. $5x + 10 = 45 \rightarrow x =$ _____
3. $4x - 8 = 32 \rightarrow x =$ _____
4. $3x + 12 = 30 \rightarrow x =$ _____
5. $8x = 72 \rightarrow x =$ _____
6. $2x + 15 = 41 \rightarrow x =$ _____

Section C - Word problems

1. A clinic uses 7 needles per session. It used 84 needles this week. How many sessions? _____

Each pack has 20 needles. A clinic orders p packs. Write the total: _____

3.

A session costs \$60. A patient spends \$540 in total. How many sessions? _____

4.

A therapist spends 15 min per patient. In 180 min, how many patients? _____

Answer Key

Acupuncture Algebra

- | | |
|-----------------|-----------------|
| 1. 8s needles | 9. 10 |
| 2. 45n dollars | 10. 6 |
| 3. 12t needles | 11. 9 |
| 4. 30/d needles | 12. 13 |
| 5. 5m points | 13. 12 sessions |
| 6. 25k minutes | 14. 20p needles |
| 7. 8 | 15. 9 sessions |
| 8. 7 | 16. 12 patients |