

11. SQUARING AND SQUARE ROOTS

Practice 1 slide 2 Square these numbers:

- | | | | |
|-------|-------|-------|-------|
| 1) 21 | 2) 32 | 3) 53 | 4) 44 |
| 5) 17 | 6) 71 | 7) 33 | 8) 66 |

Practice 2 slide 3 Square these numbers mentally:

- | | | |
|-------|-------|-------|
| 1) 51 | 2) 16 | 3) 23 |
| 4) 18 | 5) 26 | 6) 74 |

Practice 3 slide 4 Square these:

- | | |
|-------------|--------------|
| 1) $5x + 2$ | 2) $x + 7$ |
| 3) $3x + 1$ | 4) $2x + 4y$ |

Practice 5 slide 5 Square these:

- | | | | |
|--------|-------|--------------------|--------|
| 1) 65 | 2) 85 | 3) $9\frac{1}{2}$ | 4) 105 |
| 5) 305 | 6) 15 | 7) $15\frac{1}{2}$ | 8) 295 |

Practice 6 slide 6 Find an approximate square root:

- | | | |
|---------|---------|---------|
| 1) 3844 | 2) 3025 | 3) 6889 |
| 4) 5776 | 5) 529 | |

Practice 7 slide 7 Find the square root:

1) 3844

2) 3025

3) 6889

4) 529

5) 5776

Practice 8 slide 8 Find the square root:

1) 3721

2) 3364

3) 5929

4) 1024

5) 2116

Practice 9 slide 9 Which are correct (use digit sums)?

1) $49^2 = 2401$

2) $84^2 = 7056$

3) $73^2 = 5229$

4) $34^2 = 1146$

Practice 10 slide 11 Find the Duplex:

1) 5

2) 16

3) 27

4) 128

5) 209

6) 718

7) 4211

8) 3016

9) 2222

10) 23104

Practice 11 slide 12 Square these numbers:

1) 53

2) 18

3) 44

4) 72

Practice 12 slide 13 Square these numbers:

1) 413

2) 145

3) 404

4) 753

Practice 13 slide 14 Square these numbers:

- 1) 5213 2) 2435 3) 4706 4) 2083

Practice 14 slide 16 Square these:

- 1) $5x + 4$ 2) $x^2 + 5x + 2$ 3) $x + 4y + 1$

Practice 15 slide 17 Find an approximate square root:

- 1) 5050 2) 555 3) 70
4) 7000 5) 2345 6) 23456

Practice 16 slide 18 Find the first two figures of the square root:

- 1) 5050 2) 555 3) 17161
4) 7000 5) 2121 6) 60

Practice 17 slide 19 Find the square root (first four figures):

- 1) 27.2 2) 11.23 3) 212798 4) 4140

Practice 18 slide 20 Find the square root (first four figures):

- 1) 27 2) 1930 3) 575 4) 3883