Square and cube numbers– question 8

Sheet 1

Square numbers

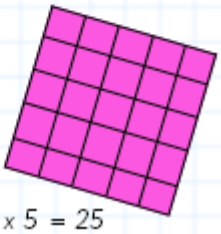
A square number is a number multiplied by itself.

$1^2 = 1 \times 1 = 1$
$2^2 = 2 \times 2 = 4$
$3^2 = 3 \times 3 = 9$
$4^2 = 4 \times 4 = 16$
$5^2 = 5 \times 5 = 25$
$6^2 = 6 \times 6 = 36$
$7^2 = 7 \times 7 = 49$
$8^2 = 8 \times 8 = 64$
$9^2 = 9 \times 9 = 81$
$10^2 = 10 \times 10 = 100$
$11^2 = 11 \times 11 = 121$
$12^2 = 12 \times 12 = 144$

$2^2 = 2 \times 2 = 4$

$4^2 = 4 \times 4 = 16$

$3^2 = 3 \times 3 = 9$



$5^2 = 5 \times 5 = 25$

Cube numbers

A square number is a number multiplied by itself, then by itself again.

$1^3 = 1 \times 1 \times 1 = 1$
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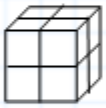

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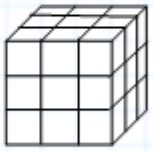

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1) $2^3 + 6^2 =$
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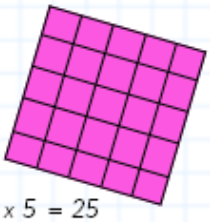

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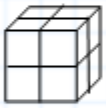

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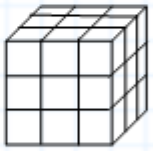

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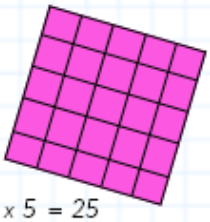

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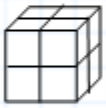

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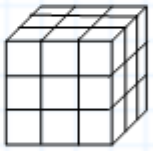

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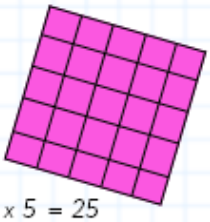

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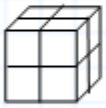

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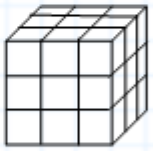

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7) $2^2 + 5^3 =$
8) $1^2 + 3^3 =$

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1) $2^3 + 6^2 = 44$
2) $7^3 + 2^2 = 347$
3) $3^2 + 7^3 = 352$
4) $11^2 + 10^2 = 221$
5) $3^3 + 9^2 = 108$
6) $10^2 + 2^3 = 108$
7) $5^2 + 5^3 = 150$
8) $8^2 + 3^3 = 91$

Sheet 2

1) $1^3 + 6^2 = 37$
2) $7^3 + 3^2 = 352$
3) $2^2 + 4^3 = 68$
4) $5^2 + 10^2 = 125$
5) $4^3 + 5^2 = 89$
6) $9^2 + 2^3 = 89$
7) $3^2 + 5^3 = 134$
8) $8^2 + 4^3 = 128$

Sheet 3

1) $1^3 + 7^2 = 50$
2) $3^3 + 2^2 = 31$
3) $5^2 + 4^3 = 89$
4) $3^2 + 9^2 = 90$
5) $4^3 + 2^2 = 70$
6) $6^2 + 3^3 = 63$
7) $3^2 + 5^3 = 134$
8) $8^2 + 1^3 = 65$

Sheet 4

1) $2^3 + 7^2 = 76$
2) $4^3 + 2^2 = 70$
3) $3^2 + 4^3 = 73$
4) $1^2 + 9^2 = 82$
5) $2^3 + 2^2 = 12$
6) $5^2 + 3^3 = 52$
7) $2^2 + 5^3 = 129$
8) $1^2 + 3^3 = 28$