

To understand scaling within place value

1 Use the Gattegno chart to help you complete these sentences.

- a 10,000 is times larger than 1,000.
- b 700,000 is times larger than 700.
- c 30,000 is times larger than 3.
- d 8,000,000 is times larger than 80,000.
- e 600,000 is times larger than 60.

2 Use the Gattegno chart to help you complete these sentences.

- a 50 is one-tenth the size of
- b 7,000 is one-tenth the size of
- c 3 is one-thousandth the size of
- d 90,000 made one-hundredth times the size is
- e 4,000 made one-hundredth times the size is

1,000,000	2,000,000	3,000,000	4,000,000	5,000,000	6,000,000	7,000,000	8,000,000	9,000,000
100,000	200,000	300,000	400,000	500,000	600,000	700,000	800,000	900,000
10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000
1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9

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3 Which calculation is the odd one out in each set? Explain your answer.

a

$20 \times 1,000$

$20,000 \div 10$

$2 \times 1,000$

b

$8 \times 10,000$

$8,000,000 \div 100$

$80,000 \div 100$

c

$50,000 \div 100$

50×100

$5,000,000 \div 10,000$

d

$300,000 \div 10$

$30 \times 1,000$

$300 \times 1,000$

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Question Number	Question	Answer
1	Use the Gattegno chart to help you complete these sentences.	a) 10 b) 1,000 c) 10,000 d) 100 e) 10,000
2	Use the Gattegno chart to help you complete these sentences.	a) 500 b) 70,000 c) 3,000 d) 900 e) 40
3	Which calculation is the odd one out in each set? Explain your answer.	a) $20 \times 1,000$ b) $80,000 \div 100$ c) 50×100 d) $300 \times 1,000$