

## Developing Skill

### Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

$$\boxed{\times 10}$$

$$\boxed{\times 100}$$

$$\boxed{\times 1000}$$

$$\boxed{\div 10}$$

$$\boxed{\div 100}$$

$$\boxed{\div 1000}$$

$$6.2 \quad \boxed{\phantom{000}} \quad = 0.62$$

$$18 \quad \boxed{\phantom{000}} \quad = 180$$

$$47 \quad \boxed{\phantom{000}} \quad = 4.7$$

$$6.2 \quad \boxed{\phantom{000}} \quad = 620$$

$$18 \quad \boxed{\phantom{000}} \quad = 0.18$$

$$47 \quad \boxed{\phantom{000}} \quad = 0.47$$

$$6.2 \quad \boxed{\phantom{000}} \quad = 0.062$$

$$18 \quad \boxed{\phantom{000}} \quad = 1.8$$

$$47 \quad \boxed{\phantom{000}} \quad = 47000$$

## Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

x 10

x 100

x 1000

÷ 10

÷ 100

÷ 1000

4.2

= 4200

93

= 0.93

286

= 0.286

4.2

= 0.42

93

= 9300

286

= 2860

4.2

= 420

93

= 930

286

= 2.86

## ANSWERS

### Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

$\times 10$     $\times 100$     $\times 1000$     $\div 10$     $\div 100$     $\div 1000$

6.2	$\div 10$	= 0.62	18	$\times 10$	= 180	47	$\div 10$	= 4.7
6.2	$\times 100$	= 620	18	$\div 100$	= 0.18	47	$\div 100$	= 0.47
6.2	$\div 100$	= 0.062	18	$\div 10$	= 1.8	47	$\times 1000$	= 47,000

### Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

$\times 10$     $\times 100$     $\times 1000$     $\div 10$     $\div 100$     $\div 1000$

4.2	$\times 1000$	= 4200	93	$\div 100$	= 0.93	286	$\div 1000$	= 0.286
4.2	$\div 10$	= 0.42	93	$\times 100$	= 9300	286	$\times 10$	= 2860
4.2	$\times 100$	= 420	93	$\times 10$	= 930	286	$\div 100$	= 2.86

## Expected Level

### Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

x 10

x 100

x 1000

÷ 10

÷ 100

÷ 1000

16.8

= 168

637

= 0.637

4.84

= 484

16.8

= 0.168

637

= 63,700

4.84

= 4840

16.8

= 1680

637

= 6.37

4.84

= 48.4

## Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

x 10

x 100

x 1000

÷ 10

÷ 100

÷ 1000

24.8

= 2.48

826

= 826,000

73.9

= 0.739

24.8

= 0.248

826

= 82.6

73.9

= 739

24.8

= 2480

826

= 8.26

73.9

= 7390

## ANSWERS

### Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

$\times 10$     $\times 100$     $\times 1000$     $\div 10$     $\div 100$     $\div 1000$

$$16.8 \times 10 = 168 \quad 637 \div 1000 = 0.637 \quad 4.84 \times 100 = 484$$

$$16.8 \div 100 = 0.168 \quad 637 \times 100 = 63,700 \quad 4.84 \times 1000 = 4840$$

$$16.8 \times 100 = 1680 \quad 637 \div 100 = 6.37 \quad 4.84 \times 10 = 48.4$$

### Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

$\times 10$     $\times 100$     $\times 1000$     $\div 10$     $\div 100$     $\div 1000$

$$24.8 \div 10 = 2.48 \quad 826 \times 1000 = 826,000 \quad 73.9 \div 100 = 0.739$$

$$24.8 \div 100 = 0.248 \quad 826 \div 10 = 82.6 \quad 73.9 \times 10 = 739$$

$$24.8 \times 100 = 2480 \quad 826 \div 100 = 8.26 \quad 73.9 \times 100 = 7390$$

### Challenge Level

#### Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

x 10

x 100

x 1000

÷ 10

÷ 100

÷ 1000

0.45

= 0.045

129

= 12,900

84.7

= 84,700

0.45

= 4.5

129

= 1.29

84.7

= 8470

0.45

= 450

129

= 1290

84.7

= 0.847

## Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

$$\boxed{\times 10}$$

$$\boxed{\times 100}$$

$$\boxed{\times 1000}$$

$$\boxed{\div 10}$$

$$\boxed{\div 100}$$

$$\boxed{\div 1000}$$

$$6.28 \quad \boxed{\phantom{000}} \quad = 6280$$

$$405 \quad \boxed{\phantom{000}} \quad = 4.05$$

$$0.016 \quad \boxed{\phantom{000}} \quad = 1.6$$

$$6.28 \quad \boxed{\phantom{000}} \quad = 0.628$$

$$405 \quad \boxed{\phantom{000}} \quad = 0.405$$

$$0.016 \quad \boxed{\phantom{000}} \quad = 16$$

$$6.28 \quad \boxed{\phantom{000}} \quad = 62.8$$

$$405 \quad \boxed{\phantom{000}} \quad = 405,000$$

$$0.016 \quad \boxed{\phantom{000}} \quad = 0.16$$

## ANSWERS

### Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

$\times 10$     $\times 100$     $\times 1000$     $\div 10$     $\div 100$     $\div 1000$

0.45	$\div 10$	= 0.045	129	$\times 100$	= 12,900	84.7	$\times 1000$	= 84,700
0.45	$\times 10$	= 4.5	129	$\div 100$	= 1.29	84.7	$\times 100$	= 8470
0.45	$\times 1000$	= 450	129	$\times 10$	= 1290	84.7	$\div 100$	= 0.847

### Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

$\times 10$     $\times 100$     $\times 1000$     $\div 10$     $\div 100$     $\div 1000$

6.28	$\times 1000$	= 6280	405	$\div 100$	= 4.05	0.016	$\times 100$	= 1.6
6.28	$\div 10$	= 0.628	405	$\div 1000$	= 0.405	0.016	$\times 1000$	= 16
6.28	$\times 10$	= 62.8	405	$\times 1000$	= 405,000	0.016	$\times 10$	= 0.16