

Check Your Math Smarts

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See how fast you can come up
with the correct answer.

When you think you have it,
raise your hand.

10

+ 10



10

+ 10



20

10

x10



10

x10

100

10% of 1,000



10% of 1,000

100

12% of 75



12% of 75

9

What number goes in the middle?

2	7	6
9	?	1
4	3	8

What number goes in the middle?

2	7	6
9	5	1
4	3	8

What number goes in the middle?

Why?

2

7

6

9

5

1

4

3

8

What number goes in the middle?

Why?

2

7

6

9

5

1

4

3

8

Add ↓ or → and they are equal

What number goes in the middle?

Why?

2

7

6

9

5

1

4

3

8

5 is the only number missing from 1-9

Simplify the following: $\frac{3x^3}{15x^{15}}$

A. $\frac{5}{x^{12}}$

B. $\frac{5}{x^5}$

C. $\frac{1}{5x^{12}}$

D. $\frac{1}{5x^5}$

E. $5x^{12}$

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Simplify the following:

$$\frac{3x^3}{15x^{15}}$$

$$3 \div 3 = 1$$

$$15 \div 3 = 5$$

$$x^3 = x \cdot x \cdot x$$

$$x^{15} = x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x$$

$$= \cancel{x} \cdot \cancel{x} \cdot \cancel{x}$$

$$x^{12} = \cancel{x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x} \cdot \cancel{x} \cdot \cancel{x} \cdot \cancel{x}$$

$$C. \frac{1}{5x^{12}}$$

Substitute emojis for numbers

$$\text{😞} + \text{😞} + \text{😞} = 12$$

Substitute emojis for numbers

$$\text{😬} + \text{😬} + \text{😬} = 12$$

$$\text{😬} + \text{😬} + \text{😜} = 16$$

Substitute emojis for numbers

$$\text{😬} + \text{😬} + \text{😬} = 12$$

$$\text{😬} + \text{😬} + \text{😜} = 16$$

$$\text{😜} \times \text{😍} = 40$$

Substitute emojis for numbers

$$\text{😐} + \text{😐} + \text{😐} = 12$$

$$\text{😐} + \text{😐} + \text{😜} = 16$$

$$\text{😜} \times \text{😍} = 40$$

$$\text{😍} \times \text{😐} = ?$$

Substitute emojis for numbers

$$\text{😐} + \text{😐} + \text{😐} = 12$$

$$\text{😐} + \text{😐} + \text{😜} = 16$$

$$\text{😜} \times \text{😍} = 40$$

$$\text{😍} \times \text{😐} = 20$$

Substitute emojis for numbers

$$\overset{4}{\text{😬}} + \overset{4}{\text{😬}} + \overset{4}{\text{😬}} = 12$$

$$\overset{4}{\text{😬}} + \overset{4}{\text{😬}} + \overset{8}{\text{😜}} = 16$$

$$\overset{8}{\text{😜}} \times \overset{5}{\text{😍}} = 40$$

$$\overset{5}{\text{😍}} \times \overset{4}{\text{😬}} = 20$$

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How did you do?