



Solve proportional reasoning problems using tables

1

How many soccer balls are there?

tennis balls : 3

soccer balls : ?

(tennis : soccer) = (3 : 4)

A 5

B 4

C 10

D 3

2

What is the (simplest) ratio of cats to dogs?

cats : 6

dogs : 10

A 3:5

B 12:6

C 4:14

D 10:2

3

What rule turns each input into its output?

Input	Output
2	6
4	12
5	15
8	24
9	27

A multiply by 3

B divide by 11

C divide by 4

D divide by 3

4

What is the missing value in the table?

Rule: divide by 6

Input	Output
6	1
18	3
24	?
48	8
54	9

A 72

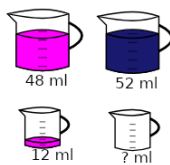
B 4

C 240

D 216

5

This paint color needs 52 ml of blue for every 48 ml of magenta. How much blue is needed if you have 12 ml of magenta



A 13 ml

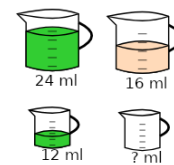
B 16 ml

C 17 ml

D 5 ml

6

This smoothie needs 16 ml of peach for every 24 ml of lime. How much peach is needed if you have 12 ml of lime



A 11 ml

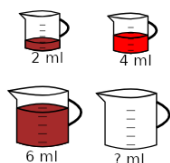
B 10 ml

C 8 ml

D 1 ml

7

This sundae needs 4 ml of strawberry for every 2 ml of chocolate. How much strawberry is needed if you have 6 ml of chocolate



A 12 ml

B 14 ml

C 8 ml

D 10 ml

8

What line equation would create this set of X, Y values?

X	Y
0	0
1	0.25
2	0.5
3	0.75
4	1

A $y = -4x$

B $y = \frac{4}{2}x$

C $y = \frac{1}{4}x$



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9

What line equation would create this set of X, Y values?

X	Y
0	0
1	4
2	8
3	12
4	16

A $y = \frac{4}{2}x$

B $y = 4x$

C $y = \frac{1}{4}x$

D $y = -4x$

10

What line equation would create this set of X, Y values?

X	Y
0	0
1	1
2	2
3	3
4	4

A $y = \frac{1}{2}x$

B $y = -1x$

C $y = 1x$

11

What line equation would create this set of X, Y values?

X	Y
0	0
1	0.2
2	0.4
3	0.6
4	0.8

A $y = \frac{5}{2}x$

B $y = -5x$

C $y = \frac{1}{5}x$

12

What line equation would create this set of X, Y values?

X	Y
0	0
1	0.5
2	1
3	1.5
4	2

A $y = -2x$

B $y = \frac{2}{2}x$

C $y = \frac{1}{2}x$