

Ratio

1. Simplify the following ratio

- a. 32:40
- b. 0.8:1.8
- c. $1\frac{1}{4}:2\frac{2}{3}$
- d. 150 分钟: 3 小时
- e. 3.2 公里: 2 公里 400 公尺
- f. RM 72: RM 78
- g. 5 小时: 1 天
- h. 12:15:24
- i. $1\frac{1}{2}:3:2\frac{1}{4}$
- j. 0.35:1.5:2.5
- k. 500mg:20g:1.2kg
- l. 30mm:2cm:1.8m
- m. 7:56:28
- n. 0.03:3:0.3
- o. 5cm:1cm5mm:10cm
- p. RM1.20:RM 0.80
- q. 45 分钟: 1.5 小时
- r. 2.4:3.6
- s. 500g:2kg:6kg

2. Solve x

- a. $3:2=18:x$
- b. $6:2=x:6$
- c. $x:6=3:2$
- d. $4:x=1:3$
- e. $3:4=7.5:x$

- f. $X:24=9:4$
- g. $X:5=5:25$
- h. $7:x=56:64$
- i. $X:28=1:8$
- j. $0.2:0.7=x:3.5$

3. Given $x:y=4:5$, find $(3x+2y)(3x-2y)$

4. Given $a:b:c = 7:5:10$. Find

- a. $(a-b):c$
- b. $b:(c-a)$
- c. $c:(a+b+c)$

5. Given $a:b:c=3:4:5$. Find

- a. $a:b$
- b. $b:c$
- c. $(a+b):c$
- d. $(c-a):b$

6. Given $y:z=4:3$, $x:z=7:6$, find $x:y:z$

7. Given $a:b=5:6$, $b:c=4:3$, find $a:b:c$

8. Given $a:b=12:27$, $b:c=9:13$, find $a:b:c$

9. Given $x:y=25:16$, $y:z=6:7$, find $x:z$

10. Given $x:y=32:15$, $x:z = 8:5$, find $y:z$