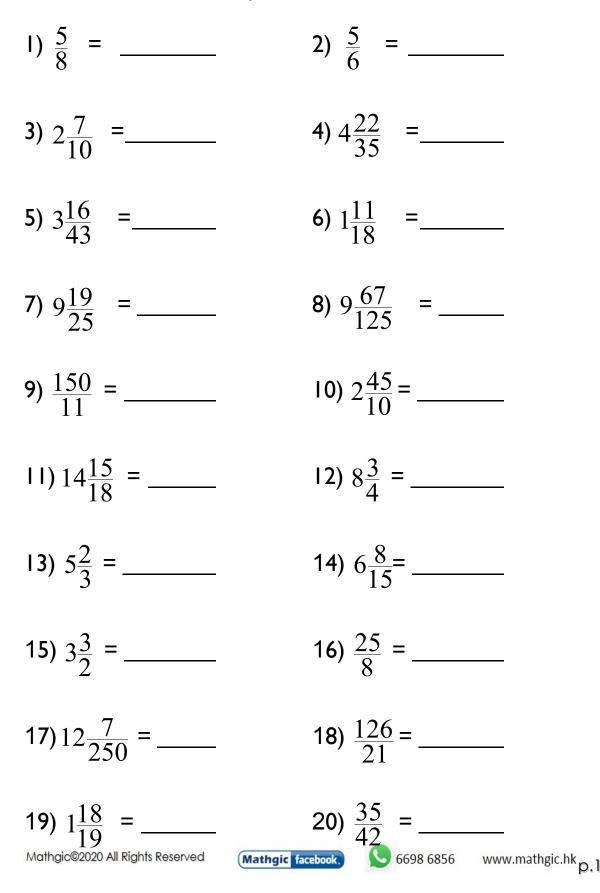


P6: convert fractions into decimals

Convert the following fractions into decimals. Correct the answers to 2 decimal places if needed.





and percentages

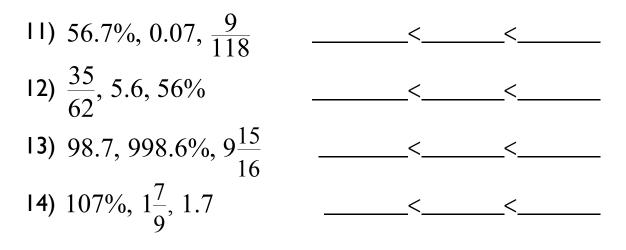
Convert the following decimals into percentages.

I) 2.35 =	2) 0.538 =
3) 0.095 =	4) 6.85 =
5) 0.89 =	6) 3.215 =

Arrange the numbers in descending order.

7)	$6.475, 6\frac{3}{4}, 64.5\%$		_>	>
8)	$3\frac{16}{21}$ , 3.5, 370%		_>	_>
9)	7.95%, 0.79, $\frac{38}{48}$		_>	_>
10)	42.7, 429%, 42 <del>7</del> /8	<u> </u>	_>	_>

Arrange the numbers in ascending order.







P6: Mixed operation of decimals

Calculate the following algebraic expressions. Correct the answers to 2 decimal places if needed. 1)  $(2.5+3.15) \div 0.25$  2)  $(36.2-2.82) \div 2.8$ 

## 3) $3.72 \div 0.6 - 5.1 \times 0.2$ 4) $3.5 \times 2.12 + 12.2 \div 6.1$

**5**) 12×0.65÷3.25 **6**) 45.4÷9.08×2.6

7) 16.8×3.72+5 8) 144.9÷12.6-8.24





Simplify the following algebraic expressions.

1) 6a - 2a2) 5x-6x+x4) 8x - 4y + 2x**3)** 10x + 4x5) 5y - 3y + 4x6) 7b - 3a - 5b + 6a7) 15m-4m+4n-2n8) 4(2x+3x)9)  $\frac{1}{2}(3y-y)$ 10)  $\frac{x}{2} + x$  $(1) y - \frac{1}{3}x - \frac{3}{4}y + 2x$ 12)  $\frac{m}{4} + \frac{2m}{5} + 2 - n$  $13)22 - \frac{6m}{5} + 2m - 6$ 14) 2(4m+3)**15)**  $9s - \frac{13}{4}s + 6p - 5$ 16) 4(3x+5y)17)  $20(\frac{3}{4}x+6y+2x-\frac{y}{5})$  18)  $\frac{y+10}{2}+y-2$ 19)  $10(\frac{3u+4v}{5})-3u+2v$ **20)** 12 - x - 6 + 5x





Solve the following equations.

1) 25+8x=41 2) 20-4x=5

3) 
$$\frac{y-8}{5} = 6$$
 4)  $\frac{3m}{5} - 4 = 11$ 

5) 
$$\frac{8}{x-1} = 6$$
 6)  $5(y+2) = 35$ 

7) 
$$\frac{2}{3}(4x-5)=18$$
  
8)  $3(2x-5)+3x=21$ 

9) 
$$\frac{x}{3} + \frac{x+6}{6} = 2$$
 I0)  $\frac{x}{6} = \frac{5}{4}$ 





Solve the following equations.

1) 
$$\frac{x+4}{6} = \frac{x-1}{2}$$
 2)  $\frac{x}{3} - 1 = x - 3\frac{2}{3}$ 

3) 
$$y(1-15\%)=76.5$$
 4)  $17-5(x+1)=2$ 

5) 
$$\frac{5}{v} = \frac{6}{15}$$
 6)  $32 - \frac{2}{3}u = 16$ 

7) 
$$\frac{a}{4} - \frac{a}{5} = 2$$
  
8)  $(1 - 42\%)t + t = 3.95$ 

9) 
$$\frac{4(2e)}{5} - e = 1\frac{1}{5}$$
 I0)  $5 + 6f = \frac{2f + 53}{6}$ 





Covert the units. Correct the answers to 1 decimal place if needed.

•	108km/h =	_m/s
2)	56 m/s =	_km/h
3)	0.3 km =	m
3)	254.5 m =	_km
4)	180.5km/h =	_m/s
5)	5.5m/s =	_km/h
6)	67 km =	m
7)	657 km/h =	_m/s
8)	32.5 m/s =	_km/h
10	) 320 km/h =	_m/s
11)	) 0.5 m =	_km
12	) 250 m/s =	_km/h
13)	) 462 km/h =	_m/s
14)	) 580m/s=	_km/h
	) 0.006 km = ngic©2020 All Rights Reserved Mathgic f	m



Complete the table below.

	Distance	Time	Speed	
(1)	325 m	13 seconds	m/s	
(2)	630 m	seconds	15 m/s	
(3)	km	25 mins	32 m/s	
(4)	63 km	hr mins	54 km/h	
(5)	580 km	mins	250 m/s	

6. Cherry sets off from home and walk to school at 7:35 a.m. every morning. She arrives school at 7:55 a.m. and walks at an average speed of 2m/s. Today, she is late and sets off at 7:42 a.m. She wants to walks at an average speed of 3m/s. Can she arrive school before 7:55 a.m.?

7. Amanda and Chole started running at the same position and towards the same direction. They run at the average speed of 5 m/s and 3.8 m/s respectively. After 8 minutes, What is the distance between them?





Complete the table below.

	Marked price	Discount rate	Discount	Selling price
(1)	\$480	12%		
(2)	\$225		\$36	
(3)		5%	\$8	
(4)			\$500	\$2000
(5)	\$4600			\$3772

6) Mandy wants to buy a shirt. The marked price of the shirt is \$298. It's now selling by 15% off. She will have another 10% off because she is a member of the department store. How much should she pay? (Correct the answers to 1 decimal place)

7) Shop A and shop B are selling the same model of television. They sell at \$5200 and \$4980 respectively. Now, both two shops are on sales. Shop A and Shop B sells the television at 15% off and 10% off respectively. Which shop provides a cheaper selling price? How much cheaper?

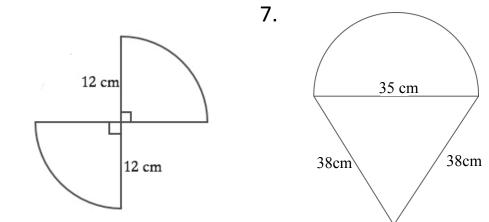




## Complete the table below.( take $\pi = 3.14$ )

	Radius	Diameter	Circumference
(1)	27 cm		
(2)		43 m	
(3)			103.62 cm
(4)	93.4 km		
(5)			31.4 m

Find the perimeter of the shape below.



8. A wheel has a radius of 12.5 cm. How many rounds does it need to roll for moving the distance of 1884 cm?

6.

