

NAME:				
CLASS:				TT
DATE:				
		Basic		
1) Orange paint is made to Fred wants to make 40 liter				
2) A school employs teach a) If the school has 1100 of				
b) If the school has 17 tea	achers, how many chi	ldren can it take?		
3) Express the following r	atios in their simplest	form:		
a) 5:20	b) 14:21	c) 36:18	d) 105:100	
4) Express the following range a) 36:40	ratios in their simplest b) 6mm:3		c) 2.5m:6m	
-,	2, 3		c, =	

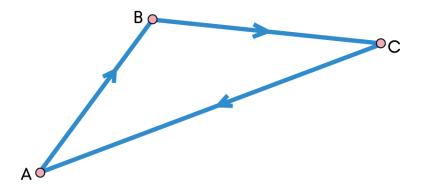


Basic

- 5) The dimensions of a room are length 12m and width 8m. What is the ratio of:
- a) its length to its width?

b) its width to its length?

- 6) £55 is split between Kim and Kat in the ratio 3:2. How much will Kim and Kat each get?
- 7) The ratio of lemon cordial to water when making lemon squash is 2:8. Using 40ml of cordial, how much water is needed?
- 8) The course of a yacht race from point A to point B to point C and back to point A is shown in the diagram below. Using the scale of 1cm to 50km, calculate the total distance of the completed course.





NAME:								
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		Core						
Express the following ratios in their simplest form:								
a) 5:20	b) 14:21	c) 36:18	d) 105:100					
2) Express the following ra) 36:40	ratios in their simplest forn b) 6mm:3cm	n:	c) 2.5m:6m					
3) £55 is split between Kim and Kat in the ratio 3:2. How much will Kim and Kat each get?								
4)The ratio of lemon cord water is needed?	ial to water when making	lemon squash is 2:8	. Using 40ml of cordial, how much					



Core

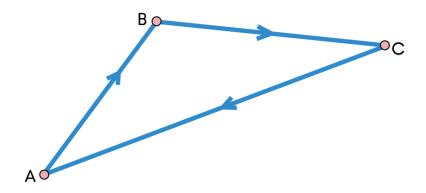
- 5) Express the following ratios in the form 1:n:
- a) 3:18

b) 4:10

c) 4:31

d) 4:15

6) The course of a yacht race from point A to point B to point C and back to point A is shown in the diagram below. Using the scale of 1cm to 50km, calculate the total distance of the completed course.



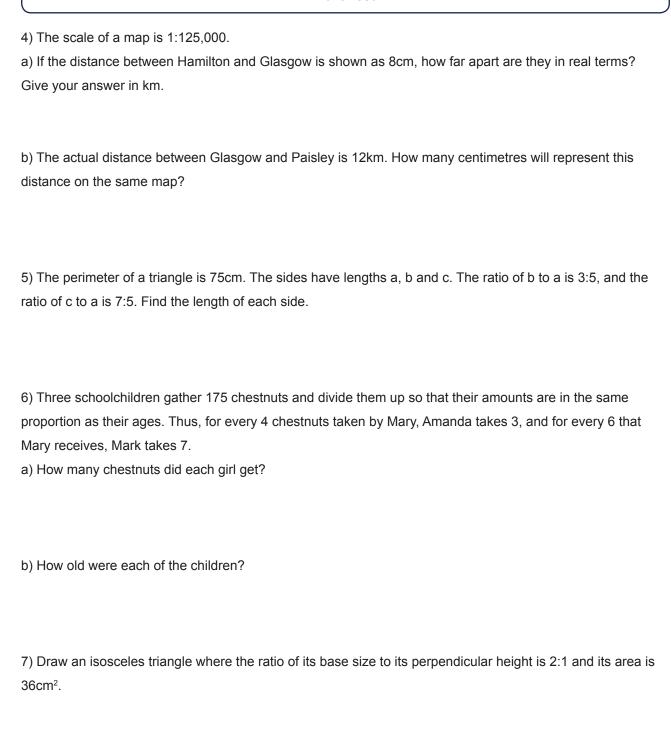
- 7) On a map, the scale is 1:125,000.
- a) If the distance between Hamilton and Glasgow is shown on the map as 8cm, how far apart are they in real terms? Give your answer in km.
- b) The actual distance between Glasgow and Paisley is 12km. How many centimetres will represent this distance on the same map?



NAME:									
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Advanced									
1) Express the following ra	atios in their simplest form:								
a) 36:40	b) 6mm:3cm		c) 2.5m:6m						
2) The ratio of lemon cordial to water when making lemon squash is 2:8. Using 40ml of cordial, how much water is needed?									
3) Express the following ratios in the form 1:n									
a) 3:18	b) 4:10	c) 4:31	d) 4:15						



Advanced





ANSWERS

Basic

1) 18 litres

2) a) 48

b) 391

3) a) 1:4

b) 2:3

b) 1:5

c) 2:1 c) 5:12 d) 21:20

4) a) 9:10 5) a) 3:2

b) 2:3

6) Kim £33; Kat £22

7) 160ml

8) 720km

Core

1) a) 1:4

b) 2:3

c) 2:1

d) 21:20

2) a) 9:10

b) 1:5

c) 5:12

3) Kim £33; Kat £22

4) 160ml

5) a) 1:6

b) 1:2.5

c) 1:7.75

d) 1:3.75

6) 720km

7) a) 10km

b) 9.6cm

Advanced

1) a) 9:10

b) 1:5

c) 5:12

2) 160ml

3) a) 1:6

b) 1:2.5

c) 1:7.75

d) 1:3.75

4) a) 10km

b) 9.6cm

5) a = 25cm; b = 15cm; c = 35cm

6) a) Mary = 60 chestnuts, Amanda = 45 chestnuts, Mark = 70 chestnuts

b) Mary is 12, Amanda is 9, Mark is 10

7) Base = 12cm, height = 6cm