

*Name:* \_\_\_\_\_

1. Divide each of the following in the given ratio.

- |           |            |  |  |
|-----------|------------|--|--|
| (a) \$30  | <b>1:2</b> |  |  |
| (b) \$100 | <b>1:4</b> |  |  |
| (c) \$200 | <b>9:1</b> |  |  |
| (d) \$60  | <b>1:3</b> |  |  |
| (e) \$240 | <b>5:3</b> |  |  |
| (f) \$180 | <b>4:5</b> |  |  |

2. Use a ruler to measure the length of the boxes below.

(a) Divide this box in the ratio 2:5 and colour in the sections red and blue.

(b) Divide this box in the ratio 1:2 and colour in the sections yellow and green.

3. A recipe for a breakfast fruit juice is orange and mango juice mixed in the ratio of 3:1. How many mL of each juice are required to make 200 mL of the breakfast juice?

orange juice	
mango juice	

4. Mortar is to be made using sand and cement in the ratio 5:1.

(a) How many kg of sand and cement are required to make 30 kg of mortar?

sand	
cement	

(b) How many kg of cement are required if 10 kg of sand is used?

(b) How many kg of sand are required if 3 kg of cement is used?

5. Christie and Karley receive \$600 for renovating a kitchen. Christie worked for 20 hours and Karley worked for 10 hours. How much should they each get paid?

Christie	
Karley	

6. Sam runs at a speed of 3 metres per second. Kerry runs at a speed of 4 metres per second. They both go for a run, leaving home at the same time running in different directions. They return home at the same time. Sam knows she has run 12 km. How far has Kerry run?