



To be completed on loose-leaf paper.



Aims:

- To provide ongoing revision of skills and concepts
- To develop procedural knowledge and fluency.

Need help? →

1. Evaluate the following by setting up and completing the matching fraction related question:

a $\frac{1}{2}$ of 10

b $\frac{1}{2}$ of 90

c $\frac{1}{2}$ of 7

2. Evaluate the following by setting up and completing the matching fraction related question:

a 50% of 10

b 50% of 90

c 50% of 7

3. Evaluate the following expressions by substituting $a = 8.4$, $b = 3.7$ and $c = 0.5$. You may use a calculator but need to show all steps in your working as usual for a substitution question.

a $2(a + b) \div c$

b $2(a + b) + c$

c $2a + (b \div c)$

4. Expand and simplify, where possible, each of the following.

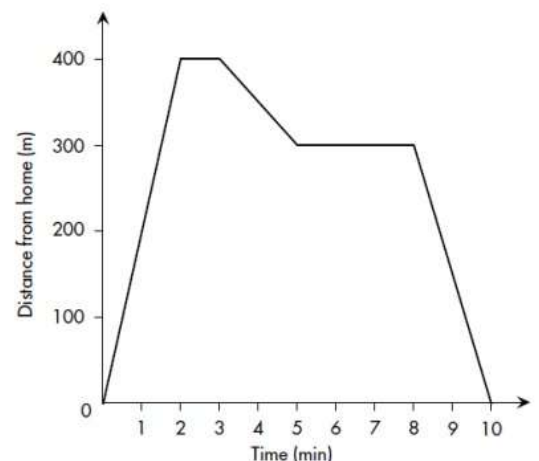
a $0.7(a + 2b)$

b $0.2(a + b) - 0.1(b - a)$

c $0.3a(a + b) + 0.1b(2b - a)$

5. Roger leaves home to post a letter. His distance from home is shown for each minute he was away from home.

- a How far from home was Roger after 2 minutes?
- b Roger stopped to talk to a friend at this time. How long did the conversation last?
- c Roger also stopped later in his walk to admire the scenery. When did he stop walking and for how long?
- d After stopping to look at the scenery, how long did it take Roger to return home?



ANSWERS: You must show the mathematics used to get these answers. Simply writing the answer is not enough.

3 a 48.4

b 24.7

c 24.2

4 b $0.3a - 0.1b$

c $0.3a^2 + 0.2b^2 + 0.1ab$