

Level 4: Homework 17

$$\begin{array}{r} 1. \quad \begin{array}{r} 5 \ 7 \ 8 \\ + \ 4 \ 5 \ 6 \\ \hline \end{array} \end{array}$$

$$2. \quad \begin{array}{r} 7 \ 4 \ 5 \\ - \ 6 \ 2 \ 7 \\ \hline \end{array}$$

$$3. \quad \begin{array}{r} 5 \ 6 \ 4 \\ \times \quad 5 \\ \hline \end{array}$$

$$4. \quad 3 \overline{) 6 \ 4 \ 2}$$

- 5 Ian walks for three hours at a speed of 4mph. He takes a rest and then walks for another four hours at an average speed of 3mph. How far has he gone?
- 6 John's living room is a rectangle 5m long and 3m wide. He decides to get a new carpet and chooses one which costs £7 per m². His girlfriend says it is horrible and he should get the carpet she likes. John notices her choice costs £10 per m².
How much more will it cost John to get the carpet his girlfriend likes?
- 7 48 people started a course at college. 25% of them dropped out.
- What percentage finished the course?
 - How many people dropped out?
 - How many people finished the course?
- 8 A cuboid has dimensions 8 cm, 10 cm and 6 cm. Is it big enough to hold half a litre of water? Show all your working and explain your answer.
- 9 Answer the following – show all your working
- (a) $3 \times 2 + (-5)$ (b) $2 \times 3^2 - (-5) \times 2^3$ (c) $(-2)^2 - 4 \times 3 \times (-3)$

6. What is the sum of the marked angles in the diagram?

A 90° B 180° C 240° D 300° E 360°

