Level 3 Angles

Answer the following questions, showing all your working.
No calculator allowed.

1. Evaluate:
    a. $3 \times 6 + 7$
    b. $150 - 2 \times 10.5$
    c. $83 + 164 \div 4$
    d. $(81 - 1) \div 10$

2. Find:
    a.   25% of 640
    b.   ¾ of 120

3. Write the following times in 24 hour format:
    a. 9.15 pm
    b.   11.47 am
    c.   12 am

4. Calculate:
    a. $8 \times (- 5)$
    b. $- 3 \times 7$
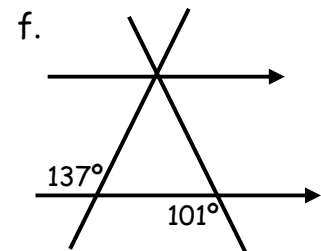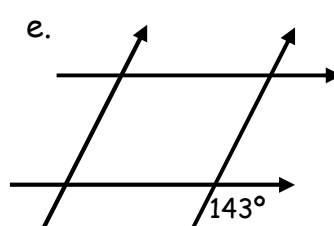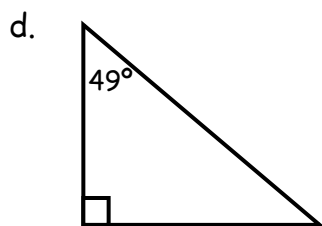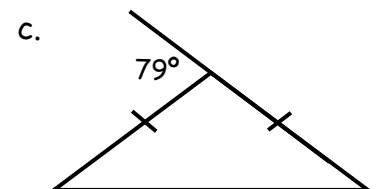   c. $- 6 \times (- 10)$
    d. $64 \div (-8)$
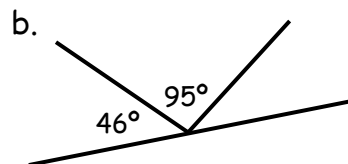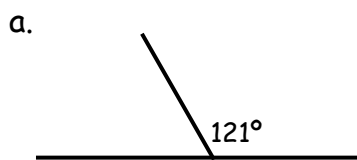   e. $(-2) \div (-1)$
    f. $(-33) \div 11$

5. Evaluate: a. 12.32×20 b. $361.2 \div 600$

6. Copy each of the following diagrams and fill in the sizes of the missing angles.

    a.

    b.

    c.

    d.

    e.

    f.

7. Calculate the size of the exterior (shaded) angle of this regular pentagon.

8. Calculate the size of the acute angle between the hands of a clock at:-
    a.   1 o'clock
    b.   half past 3