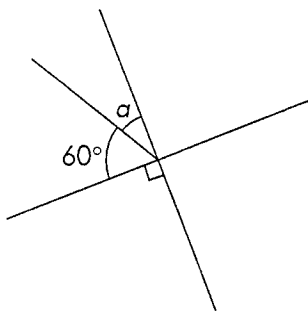


EXERCISE
25

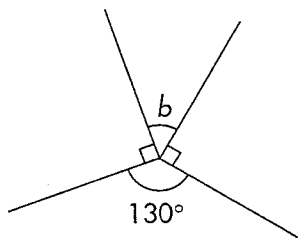
Triangles and 4-sided Figures (1)

- A. The following figures are not drawn to scale. Find the unknown marked angle in each figure.

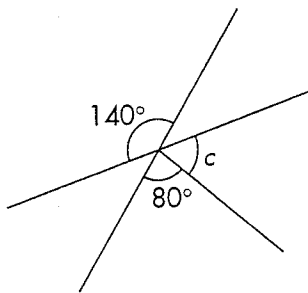
(1)



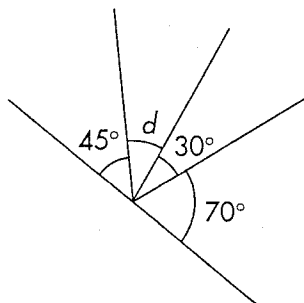
(2)



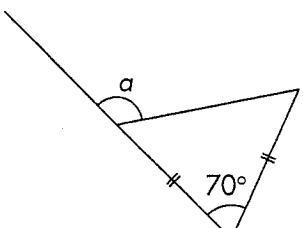
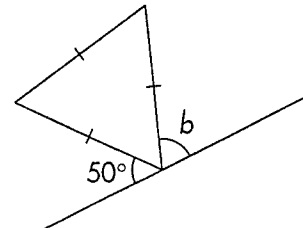
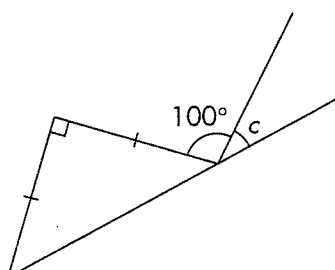
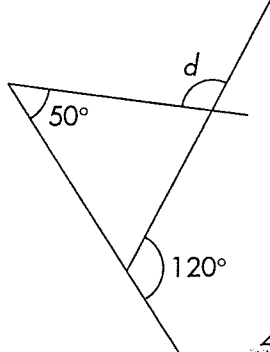
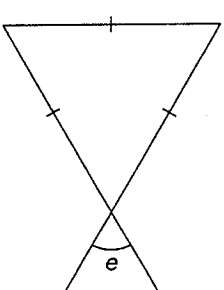
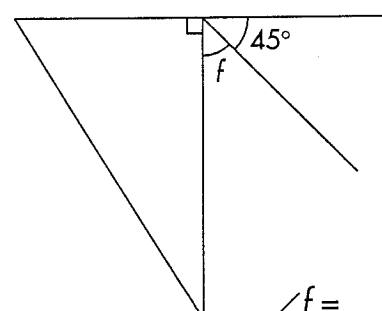
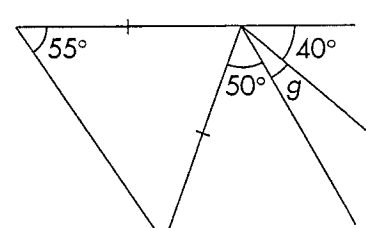
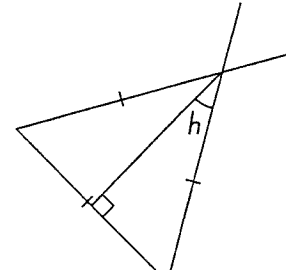
(3)



(4)

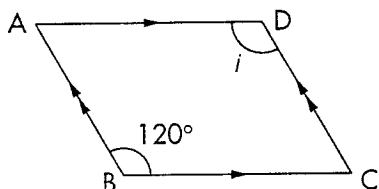


B. The following figures are not drawn to scale. Find the unknown marked angle in each figure.

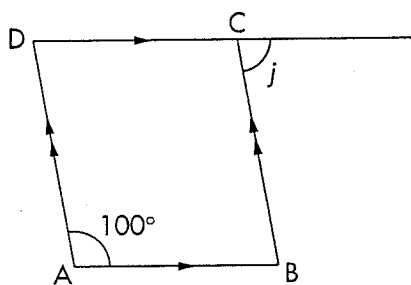
| | |
|---|--|
| <p>(1)</p>  <p>$\angle a =$</p> | <p>(2)</p>  <p>$\angle b =$</p> |
| <p>(3)</p>  <p>$\angle c =$</p> | <p>(4)</p>  <p>$\angle d =$</p> |
| <p>(5)</p>  <p>$\angle e =$</p> | <p>(6)</p>  <p>$\angle f =$</p> |
| <p>(7)</p>  <p>$\angle g =$</p> | <p>(8)</p>  <p>$\angle h =$</p> |

C. The following figures are not drawn to scale.

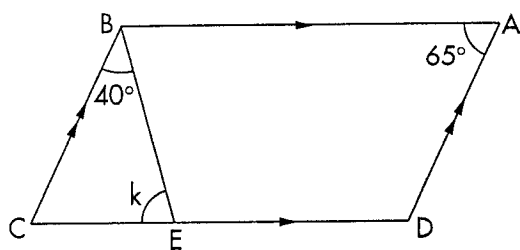
(1) ABCD is a parallelogram. Find $\angle i$.



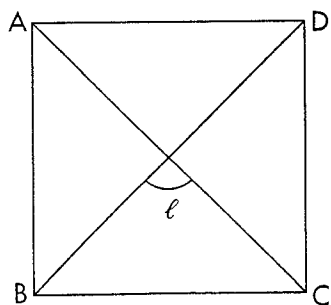
(2) ABCD is a parallelogram. Find $\angle j$.



(3) ABCD is a parallelogram. Find $\angle k$.

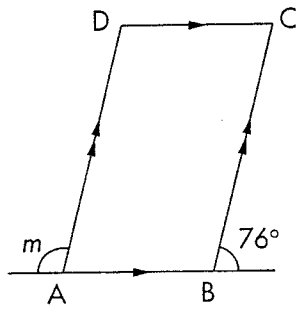


(4) ABCD is a square. Find $\angle \ell$.



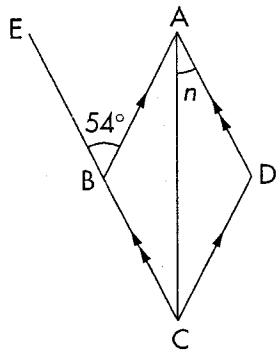
(5)

ABCD is a parallelogram. Find $\angle m$.



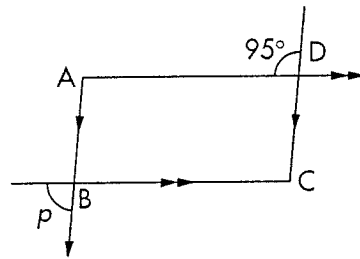
(6)

ABCD is a rhombus. CBE is a straight line. Find $\angle n$.



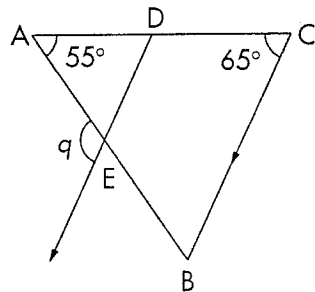
(7)

ABCD is a parallelogram. Find $\angle p$.



(8)

ABC is a triangle. $DE \parallel CB$. Find $\angle q$.

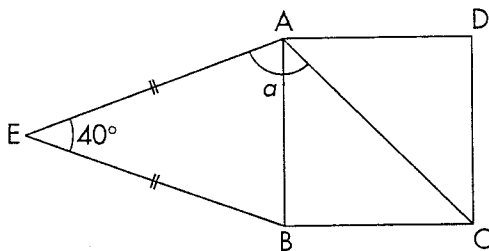


EXERCISE
26

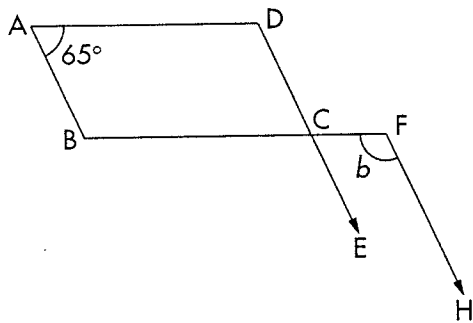
Triangles and 4-sided Figures (2)

The following figures are not drawn to scale.

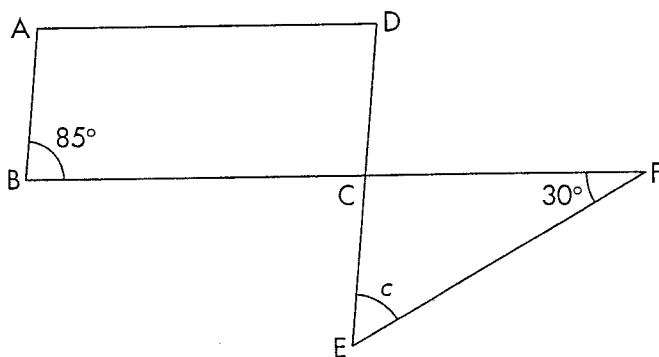
- (1) ABCD is a square. $\triangle AEB$ is an isosceles triangle. AC is a straight line. Find $\angle a$.



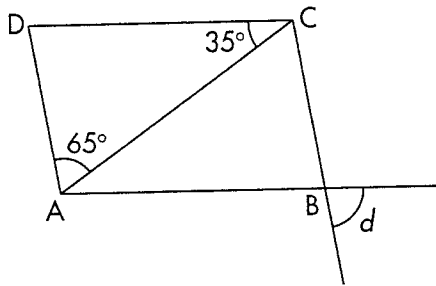
- (2) ABCD is a parallelogram. $DCE \parallel FH$. Find $\angle b$.



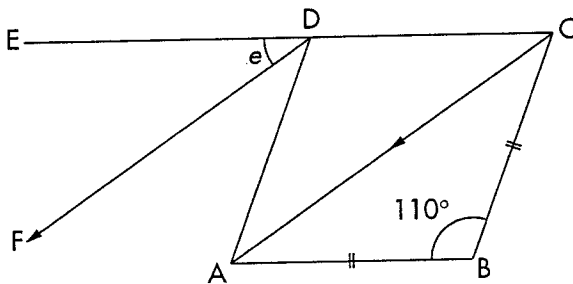
- (3) ABCD is a parallelogram. CEF is a triangle. Find $\angle c$.



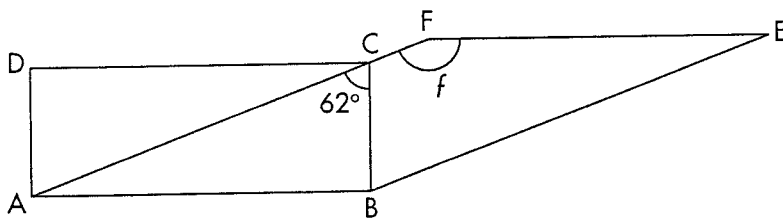
(4) ABCD is a parallelogram. Find $\angle d$.



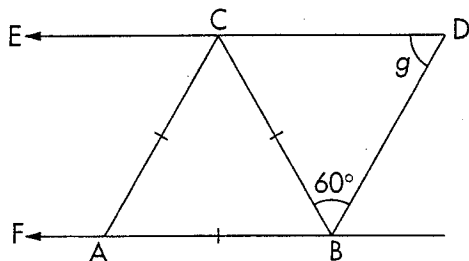
(5) ABCD is a parallelogram. $AC \parallel FD$. $\triangle ABC$ is an isosceles triangle. Find $\angle e$.



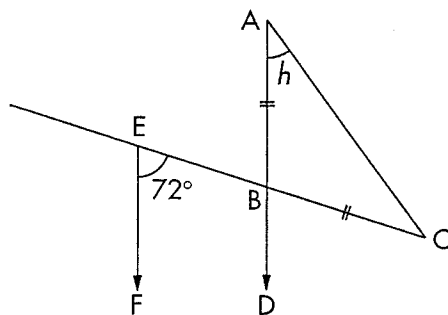
(6) ABCD is a rectangle. ABEF is a parallelogram. Find $\angle f$.



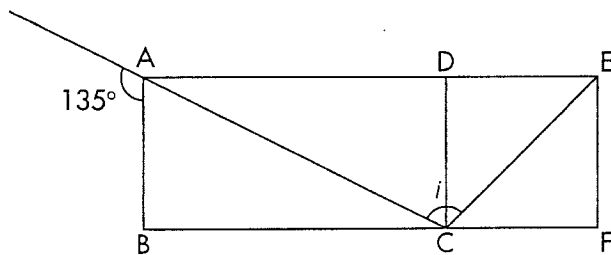
(7) $\triangle ABC$ is an equilateral triangle. $DCE \parallel BAF$. Find $\angle g$.



(8) $\triangle ABC$ is an isosceles triangle. $ABD \parallel EF$. Find $\angle h$.



(9) $ABCD$ is a rectangle. $CDEF$ is a square. Find $\angle i$.



-) $\frac{9}{7}$ (4) 7:10
-) 1.7 (8) 15

\$160

-) 2 h (4) 4 : 1

-) $\frac{2}{5}$ (4) 66.7%

- (3) fairy tales

10

- (3) 10

- (3) $\frac{1}{2}$

- (3) 520

: 5

-) 96 cm³
-) 144 cm³
-) 20
-) 12 cm

- m² (3) 4 ℓ
- ℓ (6) 150

-) 5 ℓ
-) 9 cm

-) 6
-) 4

Exercise 25

- A (1) 30° (2) 50° (3) 60° (4) 35°
 B (1) 125° (2) 70° (3) 35° (4) 110°
 (5) 60° (6) 45° (7) 20° (8) 30°
 C (1) 120° (2) 80° (3) 75° (4) 90°
 (5) 104° (6) 27° (7) 85° (8) 120°

Exercise 26

- (1) 115° (2) 115° (3) 55°
 (4) 80° (5) 35° (6) 152°
 (7) 60° (8) 36° (9) 90°

Revision 2

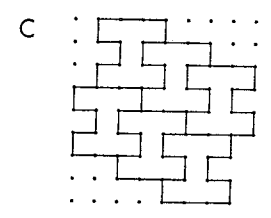
- A (1) 2 (2) 3 (3) 1 (4) 3
 (5) 4 (6) 4 (7) 2 (8) 4
 (9) 2 (10) 4 (11) 2 (12) 1
 (13) 1 (14) 2 (15) 4 (16) 2
 (17) 4 (18) 1 (19) 2 (20) 1
 B (1) 4.6 (2) 75 (3) 60 (4) $\frac{7}{3}$
 (5) $\frac{11}{14}$ (6) 80 (7) 10 (8) $14\frac{2}{7}$
 (9) 5 (10) 2500 (11) 2.80 (12) 20
 C (1) 5 h (2) \$14 400 (3) $1\frac{13}{15}$ m
 (4) 32.968 m

Revision 3

- A (1) 3 (2) 1 (3) 2 (4) 4
 (5) 3 (6) 4 (7) 2 (8) 3
 (9) 1 (10) 1 (11) 2 (12) 1
 (13) 4
 B (1) 70 (2) 135 (3) 20
 (4) $6\frac{1}{2}$ (5) $36\frac{5}{6}$ (6) $4m + 5$
 (7) 136 (8) 50 (9) $x - 10y$
 (10) 2 : f (11) $\frac{d}{ab}$ (12) 4
 C (1) 416 cm³ (2) 1000 cm³

General Revision 1

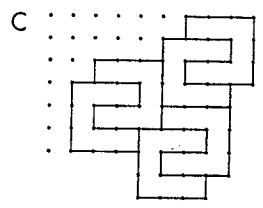
- A (1) 4 (2) 2 (3) 2 (4) 3
 (5) 1 (6) 2 (7) 4 (8) 3
 (9) 1 (10) 2 (11) 4 (12) 1
 (13) 3 (14) 4 (15) 2 (16) 4
 (17) 3 (18) 4 (19) 3 (20) 1
 B (1) 15 (2) $\frac{3}{100}$ (3) 165 (4) 1105
 (5) 500 (6) 1004 (7) 100 (8) $\frac{3}{5}$
 (9) $\frac{36}{49}$ (10) $\frac{1}{2}$ (11) 628 (12) 45



- D (1) \$7.50 (2) 4500 kg (3)
 (4) 36 kg (5) $4\frac{1}{6}$ h

General Revision 2

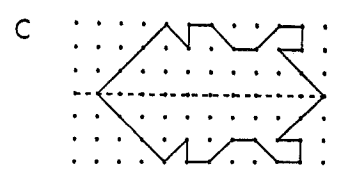
- A (1) 3 (2) 2 (3) 1 (4)
 (5) 2 (6) 3 (7) 4 (8)
 (9) 3 (10) 1 (11) 1 (12)
 (13) 1 (14) 2 (15) 4 (16)
 (17) 2 (18) 2 (19) 2 (20)
 B (1) $\frac{2}{25}$ (2) 20 (3)
 (4) 150 (5) 5 : 7 (6)
 (7) 22 (8) 36 (9)
 (10) 40 (11) 3 (12)



- D (1) \$10 (2) $\frac{5}{6}$ kg (3)
 (4) 62 (5) 7 cm

General Revision 3

- A (1) 1 (2) 4 (3) 1 (4)
 (5) 1 (6) 1 (7) 2 (8)
 (9) 4 (10) 2 (11) 4 (12)
 (13) 4 (14) 1 (15) 3 (16)
 (17) 2 (18) 4 (19) 4 (20)
 B (1) 1010 (2) 5 (3) 3
 (4) 100 (5) 1110 (6) 3
 (7) 60 (8) 1.5 (9) 7
 (10) 50 (11) 60 (12) 8



- D (1) \$30 (2) 44
 (3) (a) A : 30 (b) B : 18
 (4) 2 ℓ (5) \$259.05